

Specifications:

Gene:	<i>h</i> USP27X
Accession:	NP_001138545.1
Insert size:	1330bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

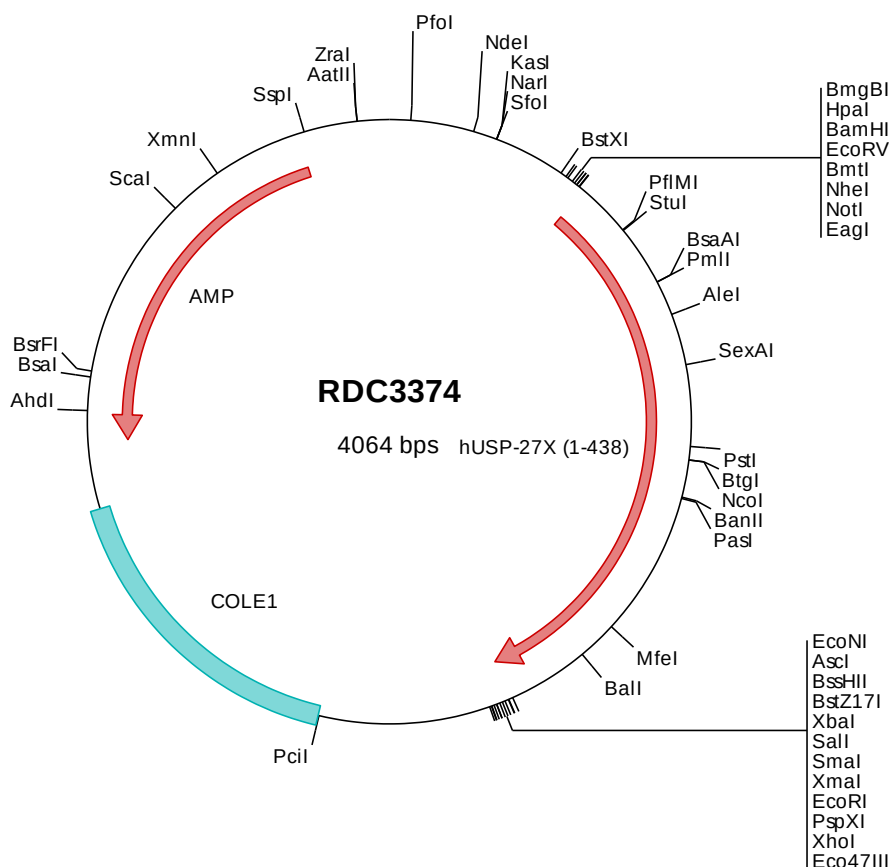
*h*USP27X cDNA Plasmid

USP27X ubiquitin specific
peptidase 27 X-linked [Homo
sapiens (human)]

Also known as: USP27; MRX105;
USP22L

Summary:

USP27X is a member of the peptidase protein family. It functions as a deubiquitinase that is involved in upregulation of the pro-apoptotic Bim protein and may act as a tumor suppressor by increasing levels of Bim to counteract anti-apoptotic signals in cancer cells. Mutations in USP27X have been associated with X-linked cognitive disability.



> RDC3374 Plasmid DNA Sequence

```

1   tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagctt ggcgaaaagg ggatgtgtct caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgtaatt
401  ggagacgtgt taacaagctt ggtccgata tcgctagcgc ggccgcccacc atgtgttaagg actatgtata tgacaaagac attgagcaaa ttgccaaaga
501  agagcaagga gaagcttttga aattacaagc ctccacctca acagaggttt ctaccagca gtgttcagtg ccaggccttg gtgagaaatt cccaacctgg
601  gaaacaacca aaccagaatt agaactgtct gggcacaacc cgaggagaag aagaatcacc tccagcttta cgatcggttt aagaggactc atcaatcttg
701  gcaacacgtg ctttatgaac tgcattgtcc aggcctcac ccacgcgcg atactagag atttctttct ctctgacagg caccgatgtg agatgccgag
801  tcccagtggt tgtctgtctt gtgagatgtc gtgcgtgttt cgggagttgt attctggaaa ccgctctcct catgtgccct ataagttaact gcacctggtg
901  tggatacatg cccgccattt agcagggtac agggcaacagg atgcccacga gttcctcatt gcagcgtag atgtcctgca caggcactgc aaaggtgatg
1001 atgtcgggaa ggcggccaac aatcccaacc actgtaactg catcatagac caaatcttca caggtggcct gcagctctgat gtcacctgtc aagcctgcca
1101 tggcgtctcc accacgatag acccatgctg ggacattagt ttggacttgc ctggctcttg cactccttcc tggcccatga gcccagggag ggagagcagt
1201 gtgaacgggg aaagccacat accaggaate accacctca cggactgctt gcgaggttt acgagggcc agcacttagg aagcagtgc aaatatcaat
1301 gtggtagttg ccaaatctca caggaatcta ccaaacagct cacaatgaat aaattacctc tcgttgccct ttttcatttc aaacggtttg aacattcagc
1401 gaaacagagg cgcaagatca ctacatcatc ttcccttctc ctggagctgg atatgacgcc gtttatggcc tcaagtaaag agagcagaat gaatggacaa
1501 ttgcagctgc caaccaatag tggaaacaac gaaaataagt attccttggt tgcgtgtggt aatcaccaag gaaccttggg agtgggccac tataccagct
1601 gcaacaaagg cccaaggagc agtgtgatga ttgcctcatc atactaagga gtattggag cgtactggag agtgaagggt atttactgtt
1701 ctatcacaaa caggtgctag aacatgagtc agaaaaagtg aaagaaatga acacacaagc ctactaaagg cgcgccagta tactctagag tccgaccccg
1801 gggaattcct cgagcgctcg tctctagctt ggcgtaatca tggctcatgc tgtttcctgt gtgaaattgt tatccgctca caattccaca caacatcga
1901 gccggaagca taaagtgtaa agcctggggt gcctaataag tgagctaac cactgcccgc cgttgcgct cactgcccgc tttccagtcg ggaaacctgt
2001 cgtgccagct gcattaatga atcgcccaac cgcgcgggag aggcggtttg cgtattgggc gctcttcgct ttcctcgctc actgactcgc tgcgctcggt
2101 cgttcggtg cgcgagcgcg ctacagctca ctcaaaaggc gtaatacggg tatccacaga atcaggggat aacgcaggaa agaactatgt agcaaaaggc
2201 cagcaaaaagg ccaaggaacg taataaggcc cgttctgtcg cgtttttcca taggtctcgc cccctgacg agcatcacia aaatcgacgc taagtccaga
2301 ggtggcgaaa ccgacagga ctataaagat accaggcggt tccccctgga agctccctcg tgcgctctcc tgttccgacc ctgcccgtta ccgataacct
2401 tccgcctttt ctcctctcgg gaagcggtgc gctttctcaa tgctcacgct gtaggtatct cagttcggtg taggtcgttc gtcctaaagt gggctgtgtg
2501 cagcaacccc ccgttcagcc ggaacgctgc gctttatccg gtaactatgc tcttgatgcc aacccggtaa gacacgactt atcgccactg gcagcagcca
2601 ctggttaacag cattagcaga gcgaggtatg taggcggtgc tacagagttc ttgaagtgtt gccctaacta cggctacact agaaggacag tatttggtat
2701 cagtcgctcg ctgaagcccg ttaccttcgg aaaaagatgt ggtagctctt gatccggcaa acaaaaccac gctggtagcg gtggtttttt tgtttgcaag
2801 cagcagatta cgcgcagaaa aaaaggatct caagaagatc ctttgatctt ttctacgggg tctgacgctc agtggaaacga aaactcacgt taagggattt
2901 tgggtcatgag attatcaaaa aggatcttca cctagatctc tttaaatcaa aaatgaagtt ttaaatcaat ctaaagtata tatgagtaaa cttggtctga
3001 cagttaccaa tgcctaatca gtgagccacc tatctcagcg atctgtctat tctgttctac catagttgcc tgactccccg tctgttagat aactacgata
3101 cgggagggct taccatctgg ccccgatgct gcaatgatac cgcgagaccc acgctcaccc gctccagatt tatcagcaat aaaccagcca gccggaaggg
3201 ccgagcgcgag aagtggtcct gcaactttat ccgctcccat ccagctctatt aattgttgcc gggaaagctag agtaagtagt tccgcaagtt atagtttgcg
3301 caacgttgtt gccattgcta caggcatcgt ggtgtcacgc tcgtcgtttg gtaggccttc attcagctcc ggttcccaac gatcaaggcg agttacatga
3401 tccccatgt tgtgcaaaaa agcggttagc tcttcggtc ctccgatcgt tgtcagaagt aagttggcgg cagtgttatc actcatggtt atggcagcac
3501 tgcataattc tcttactgtc atgccatccg taagatgctt ttctgtgact ggtgagtact caaccaagtc attctgagaa tagtgatgc ggcgaccgag
3601 ttgctcttgc ccgcgctcaa tacgggataa taaccgcgca catagcagaa ctttaaaagt gctcatcatt ggaaaaagtt cttcggggag aaaaactoca
3701 aggatcttac cgctgttgag atccagttcg atgtaacca ctctgcaccc caactgatct tcagcatctt ttactttcac cagcgtttct gggtagacaa
3801 aaacaggaag gcaaaatgcc gcaaaaaagg gaataaggcg gacacggaaa tgttgaatac tcatactctt cctttttcaa tattattgaa gcatttatca
3901 ggggtattgt ctcatgagcg gatacatatt tgaatgtatt tagaaaaata acaaaatagg ggttcgcgcg acatttcccc gaaaagtgcc acctgacgtc
4001 taagaacca ttattatcat gacattaacc tataaaaaata ggcgtatcac gagggccttt cgtc

```

> RDC3374 Translated Insert Sequence

```

1   mckdyvydkd ieqiakeeqg ealklqasts tevshqccsv pglgekfptw ettkelelll ghnprrrrit ssftiglrgrl inlgnctcfmn civqalhtpt
101  ilrddflsdr hrcempspel clvcemsslf relysgnpsp hvpykllhlv wiharhlagy rggdahefli aaldvlhrhc kgddvgkaan nphncniid
201  qiftgqlqsd vtcqachgvs ttidpcwdis ldlpgsctsf wpmspgress vngeshipgi ttldclrrf trpehlgsa kikcgscqsy gestkqltmm
301  klpvvacfhf krfehsakqr rkittyisfp leldmtpfma sskesrmngq lqlptnsgnn enkyslfavv nhqgtlesgh ytsfirhhkd qwfkcddavi
401  tksikdvld segyllfyhk qvlehesekv kemntqay

```