

Specifications:

Gene:	hGPC6
Accession:	NP_005699
Insert size:	1681bp
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.

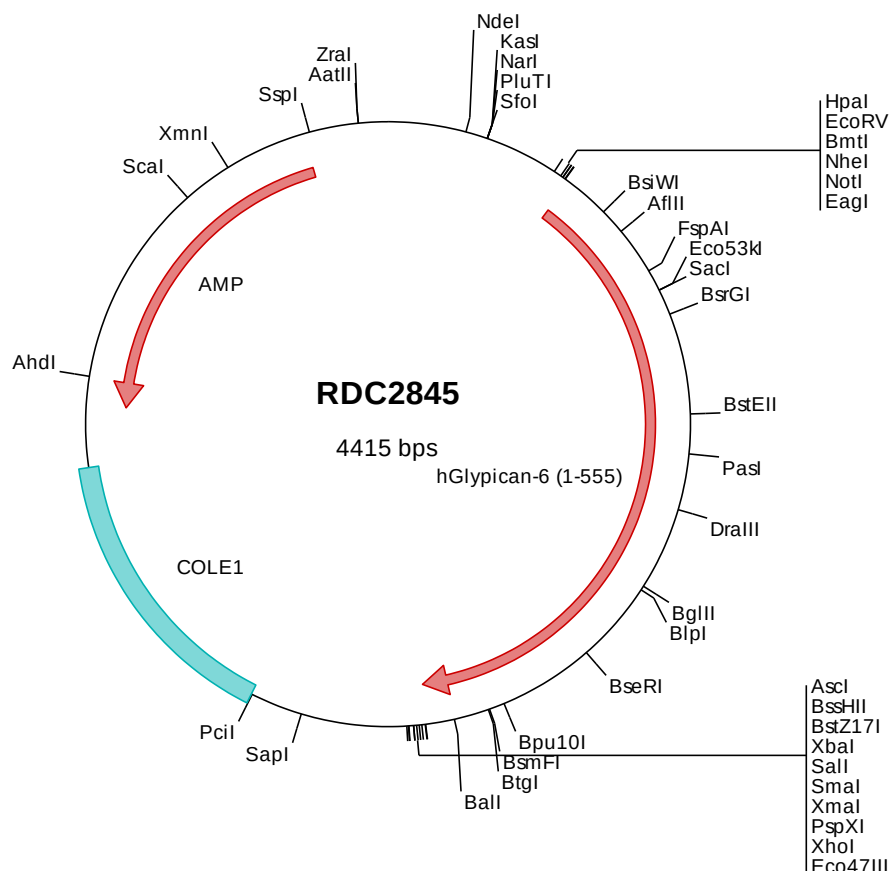
hGlypican 6 cDNA Plasmid

GPC6 glypican 6 [*Homo sapiens* (human)]

Also known as: OMIMD1

Summary:

GPC6 is a heparan sulfate proteoglycan member of the GPI-linked glypican family of molecules. It is expressed by postnatal chondrocytes and embryonic mesenchyme (connective tissue plus smooth muscle cells). It may facilitate heparin-binding growth factor signaling and polyamine uptake into expressing cells.



> RDC2845 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacgggtc cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacc atgccttctt ggatcggggc tgtgattctt ccctcttgg ggctgtgct
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601  gagatgcgag gggaacactt aagaatctgt cctcaggaat atacatgctg caccacagaa atggaagaca agttaagcca acaagcaaaa ctcgaatttg
701  aaaaacctgt gggaagagaca agccattttg tcgcgaccac ttttgtgtcc aggcataaga aatttgacga atttttccga gagctcctgg agaatgcaga
801  aaagtcaacta aatgatattg ttgtacggac ctatggcatg ctgtacatgc agaattcaga agtcttcag gacctcttca cagagctgaa aaggtaactac
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2401 gcgtattggg cgctcttccg cttccctcgt cactgactcg ctgcgctcgg tgcttcggct gcggcgagcg gtatcagctc actcaaggcg ggtaatacgg
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> RDC2845 Translated Insert Sequence

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101  rhkkfdeffr ellenaeaksl ndmfvrtygm lymqnsevfq dlftelkryy tggvnvleem lndfwarlle rmfqlinpyq hfsedylecv skytdqlkpf
201  gdvprklkiq vtrafiaart fvgglvtgre vanrvskvsp tpgciralmk mlycpycrgl ptvrpcnnyc lnmvkgclan gadldtewn1 fidamllvae
301  rlegpfnies vmdpivdkis eaimnmqens mqvsakvfqg cgqpkpapal rsarsapenf ntrfrpynpe erpttaagts ldrlvtdike klklskkvws
401  alpytickde svtagtsnee ecwnghskar ylpeimndgl tnqinnpevd vdiirpdtfi rqqimalrvn tnklknayng ndvnfqdtsd essgsgsgsg
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