

Specifications:

Gene:	<i>h</i> GLUT3
Accession:	NP_008862
Insert size:	1504bp
Concentration:	10µg at 0.2µg/µL

*h*GLUT3 cDNA Plasmid

**SLC2A3 solute carrier family 2
(facilitated glucose transporter),
member 3 [*Homo sapiens*]**

Also known as: GLUT3

Summary:

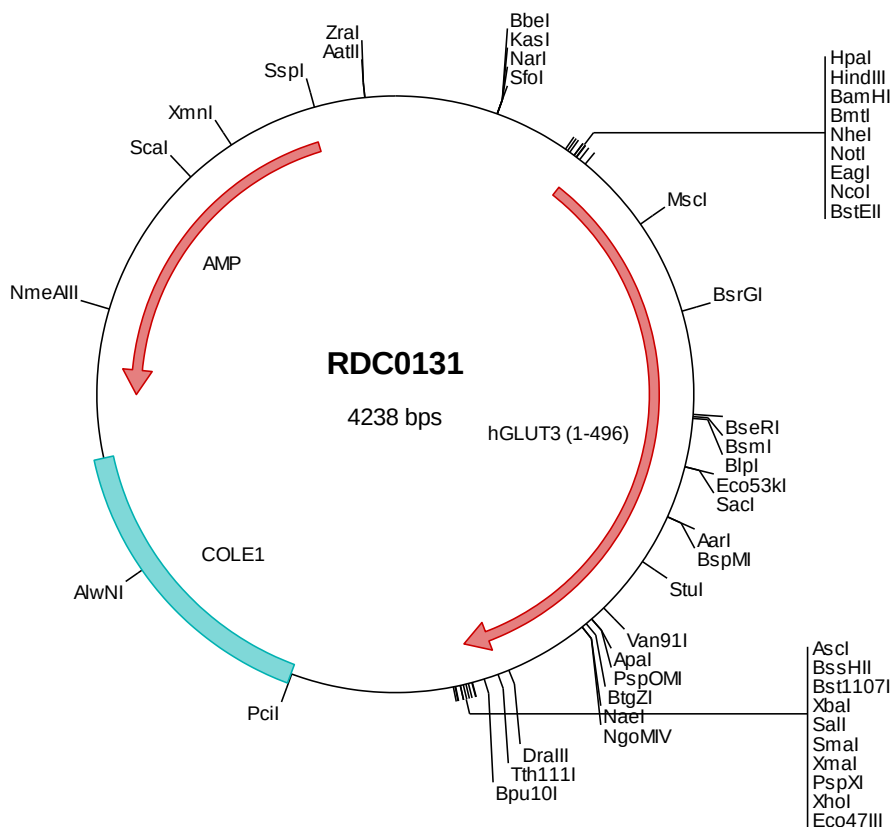
GLUT3 is a multi-pass membrane protein belonging to the glucose transporter subfamily. It is a facilitative glucose transporter responsible for constitutive or basal glucose uptake. GLUT3 is highly expressed in brain as well as being expressed in many other tissues. There is an *in vivo* interaction between podocalyxin and GLUT3 however the function of podocalyxin in stem cells and malignant cells is unclear.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0131 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggcgtg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtgggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggcgcgcacc atggggacac agaaggtcac cccagctctg atattttgcca tcacagttgc
501  tacaatcgcc totttccaat ttggctacaa cactggggto atcaatgtct ctgagaagat cataaaggaa tttatcaata aaactttgac ggacaaggga
601  aatgccccac cctctgaggt gctgctcaag tctctctggt cctgtctgtt ggccatattt tccgtcgggg gtatgatcgg ctccctttcc gtcggaactct
701  tegtcaaacg ctttggcagg cgaattcaa tgcgtattgt caacctgttg gctgtcaact gtggctgctt tatgggactg tgtaaagtag ctaagtccgt
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> RDC0131 Translated Insert Sequence

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201  alpfcpespr fillnrkeee nakqilqrlw gtqdvsqdiq emkdesarms qekqvtvlel frvssyrqpi iisivlqlsq qlsginavfy ystgifikdag
301  vqepiyatig agvvniftv vsflflverag rrtllhmiglg gmafcstlmt vslllkdnyn gmsfvcigai lvfvaffeig pppipwfviva elfsqgprpa
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