

Specifications:

Gene:	hSLC45A3
Accession:	NP_149093
Insert size:	1675bp
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.

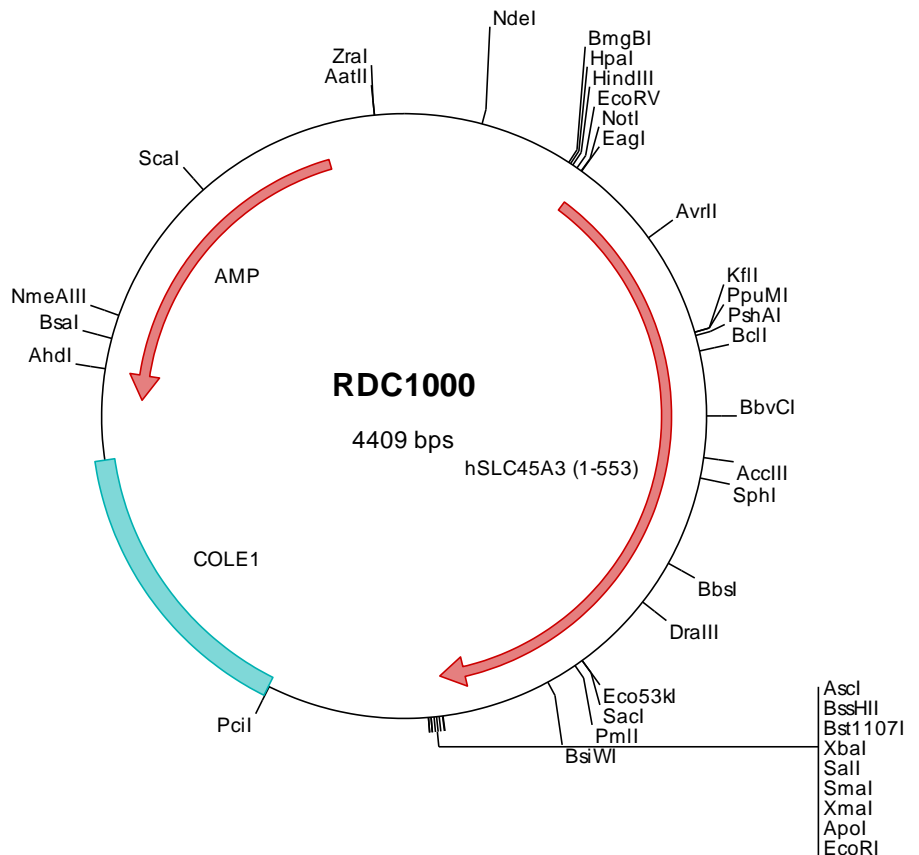
hSLC45A3/Prostein cDNA Plasmid

SLC45A3 solute carrier family 45, member 3 [*Homo sapiens* (human)]

Also known as: PRST; IPCA6; IPCA-2; IPCA-6; IPCA-8; PCANAP2; PCANAP6; PCANAP8

Summary:

SLC45A3 is a prostate-specific protein expressed by normal tissues and at a significantly lower level in prostate tumor cell lines. It appears to be a type IIIa plasma membrane protein with a cleavable signal peptide and 11 transmembrane-spanning regions. SLC45A3 expression is upregulated in response to androgens.





> RDC1000 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggccagt ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc ggccgccacc atggtccaga ggctgtgggt gagccgcctg ctgcggcacc ggaagccca
501 gctcttgcgt gtaaacctgc taaccttgg cctggaggtg tgtttggccg caggcaatcac ctatgtgccg cctctgctgc tggaaagtgg ggtagaggag
601 aagttcatga ccattggtgct gggcaattgg ccagtgtctg gcttggctct gttcccgctc cttaggtcag ccagtgaoca ctggcgtgga cgctatggcc
701 gccgcggccc cttaacttgg gcaactgtct tgggcatcct gctgagcctc tttctatccc caaggggcgg ctggctagca gggctgtctg gcccgatcc
801 caggccctg gagctgcgac tgctcaactt gggcgtgggg ctgctggaact tctgtggcca tctgtgtctc actcaactgg agccctgtct ctctgacctc
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1201 cggaaacctg gcgcccctgt tccccggctg caccagctgt gctgcccgat gcccccacc ctgcccgggc tctctgtggc tgagctgtgc agctggatgg
1301 cactcatgac cttaactgct ttttaacagg atttctggg cgaggggctg taccagggct tgcccagagc tgagccgggc accgagggccc ggagacacta
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2201 cctgtgtgaa attgttatcc gctcacaact ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgctca atgagtgagc taactcacat
2301 taattgcttt gcgctcactg cccgctttcc agtccggaaa cctgtctgtc cagtctcatt aatgaaatcg ccaacgcgcg gggagagggc gtttgcgtat
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3101 ggcaaaaaa ccacgcgtgg tagcgggtgt ttttttggtt gcaagcagca gattacgcgc agaaaaaag gatctcaaga agatcctttg atcttttcta
3201 cggggtctga cgtcagttgg aacgaaaaact cacgttaagg gattttgttc atgagattat caaaaaggat cttaacctag atccttttaa attaaaaatg
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3901 gtactcaacc aagtcattct gagaatagtg tatcgggcga ccgagttgct cttgcccggc gtcaatacgg gataatacgg cgccacatag cagaacttta
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4301 ataggggttc cgcgcacatt tccccgaaa gtgccacctg acgtctaaga aaccattatt atcatgacat taacctataa aaataggcgt atcacgagcc
4401 cctttcgtc

> RDC1000 Translated Insert Sequence

1 mvqrllwvsl lrhrkaqlll vnllftglev claaagityvp plllevgvee kfmtmvlvig pvlglvcvpl lgsasdhwrp rygrrrpfw alsllgillsl
101 flipragwla gllcpdprpl elallilgvg lldfcgqvof tpleallsdl frdpdhrqqa ysvyafmisl ggclgyllpa idwtdsalap yltgqeeclf
201 glltliflfc vaatlvaee aalgptepae glsapslsph cpcrcrarlaf rnlgallprl hqlccrmprr lrrlfvaelc swmalmtftl fytdfivgegl
301 yggvpraepg tearrhydeg vrmgsllgfl qcailsvflsl vmdrlvrqfg travylasva afpvaagatc lshsvavvta saaltgftfs alqilpytla
401 slyhrekqvf lpkyrqgdgg assedsimts flpgpkpgap fpnghvgagg sgllppppal cgasacdvsv rvvvgeptea rvvpggicl dlaildsaf1
501 lsqvapslfm gsviqslsqsv taymvsaaal glvaiyfatq vvfdkdslak ysa