

Product datasheet for **RC227048**

SLC35B3 (NM_001142540) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SLC35B3
Synonyms:	C6orf196; CGI-19; PAPST2
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC227048 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACTTGACACAGCAAGCAAAGACATACAGAACATAACAGTCCAGGAAACCAACAAAAATAACTCTG
AAAGCATTGAATGCAGCAAAATAACAATGGATCTCAAGTTCACAATTCAGGAAATATATTTCTATCAC
TGTGCCATCCAAACCCAAACAATGTCACCACACATCAAGTCAGTTGACGACGTTGTGGTACTTGGCATG
AATCTCAGCAAGTTTAAACAACTTACTCAGTTTTTCATATGTGTTGCTGGAGTTTTTGTATTTTACCTAA
TTTATGGGTATTTACAGGAATTAATATTTTCAGTGGAGGGTTTTAAGTCCTGTGGCTGGTACCTTACCTT
AGTGCAGTTTGCCTTTTACTCCATATTTGGCCTAATAGAACTTCAGCTTATTCAGGACAAAAGGAGGAGA
ATACCAGGAAAAACCTACATGATAATAGCTTTTCTAACTGTGGGTACTATGGGGTTATCAACACTTCCT
TGGGCTACCTGAATTACCCTACCAAGTCATCTCAAGTGTGCAAAATTGATTCTGTATGCTAGGAGG
AGTTTTTATTCAAGGAAAGCGTTATAATGTTGCAGATGTGTCTGCTGCCATATGTATGAGCCTTGGCCTG
ATATGGTTTACCCTCGCTGACAGCACAACCTGCACCAAAATTTCAACCTGACGGGTGTGGTGCTTATTTCCC
TGGCACTATGTGCAGATGCCGTCAATTGGAATGTTCAAGAGAAAGCTATGAACTTCATAATGCTTCTAA
TTCTGAAATGGTATTGTATTCGATTCAATTGGTTTTGTATACATTTTACTGGGATTGACATGCACTAGT
GGATTAGGCCCTGCAGTAACATTTTGTGCAAGAATCCAGTTCGGACCTATGGTTATGCGTTCTCTTTTTT
CCCTCACTGGATATTTTGAATCTCCTTTGTTCTGGCTTTGATTAAATTTTGGTGCACTTATTGCTGT
AACAGTGACAACAGGAAGAAAAGCAATGACCATTGTACTTTCGTTTATATTCTTGTCAAACCATTCACG
TTTCAGTATGTATGGTCTGGTTTGTAGTTGCTCCTTGGTATATTTCTCAATGTTTACAGCAAAAATATGG
ATAAAATAAGACTACCATCACTGTATGATTGATAAACAATCAGTGGAAGCAAGAAAGTCAAGGACGCT
GGCACAGACTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC227048 protein sequence
 Red=Cloning site Green=Tags(s)

MDLTQQAKDIQNITVQETNKNSEIECSKITMDLKFNNRKYISITVPSKTQTMSPHIKSVDDVVVLGM
 NLSKFNKLTQFFICVAGVFVYLYIYGLQELIFSVEGFKSCGWYLTLVQFAFYISIFGLIELQLIQDKRRR
 IPGKTYMIIAFLTVGTMGLSNTSLGYLNYPTQVIFKCKLIPVMLGGVFIQKRYNVADVSAACMSLGL
 IWFTLADSTTAPNPNLTVVLLISLALCADAIGNVQEKAMKLHNASNSEMVLYSYSIGFVYILLGLTCTS
 GLGPAVTFCAKNPVRTYGYAFLFSLTGYFGISFVLALIKIFGALIAVTVTTRKAMTIVLSFIFFAKPT
 FQYVWSGLLVVLGIFLNVYSKNMDKIRLPSLYDLINKSVEARKSRTLAQTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

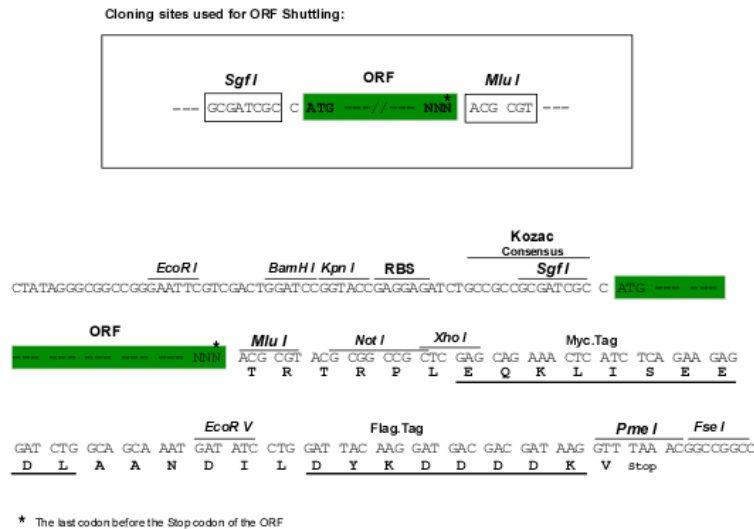
Chromatograms:

https://cdn.origene.com/chromatograms/mk6674_d06.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001142540

ORF Size:

1203 bp

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:

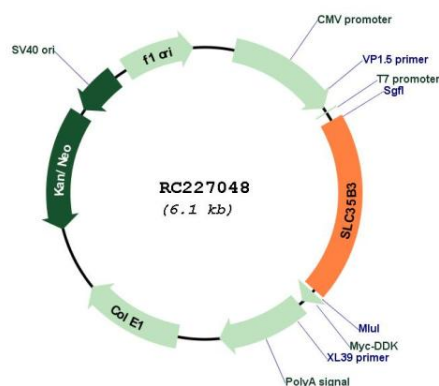
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:

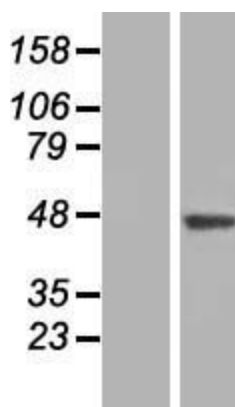
The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001142540.1</u> , <u>NP_001136012.1</u>
RefSeq Size:	2086 bp
RefSeq ORF:	1206 bp
Locus ID:	51000
Cytogenetics:	6p24.3
Protein Families:	Transmembrane
MW:	44.6 kDa
Gene Summary:	This gene is a member of the solute carrier family. The encoded protein is involved in the transport of 3-prime phosphoadenosine 5-prime phosphosulfate (PAPS) from the nucleus or the cytosol to the Golgi lumen. This gene has been reported to be expressed preferentially in the human colon tissues. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]

Product images:



Circular map for RC227048



Western blot validation of overexpression lysate (Cat# [LY428161]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC227068] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).