

Product datasheet for **TP309505L**

POFUT2 (NM_133635) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein O-fucosyltransferase 2 (POFUT2), transcript variant 3, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC209505 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MATLSFVFLLLGAVSWPPASASGQEFWPGQSAADILSGAASRRRYLLYDVNPPEGFNLRDVIYRIASLL
KTLKTEEWLVLPWGRLYHWQSPDIHQVRIPWSEFFDLPSLNKNIPVIEYEQFIAESGGPFIDQVYVL
QSYAEGWKEGTWEEKVDERPCIDQLLYSQDKHEYRGRWFWGYEETRGLNVSVQGSASIVAPLLLRNT
SARSVMLDRAENLLHDHYGGKEYWDTRRSMVFARHLREVGDDEFRRSRHLNSTDDADRIPFQEDWMKMKVKL
GSALGGPYLGVHLRRKDFIWGHRQDVPSLEGAVRKIRSLMKTHRLDKVAVATDAVRKEYEELKLLPEMV
RFEPTWEELELYKDGGVAIIDQWICAHARFFIGTSVSTFSFRIHEEREILGLDPKTTYNRFCGDQEKACE
QPTHWKITY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	49.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_598368](#)

Locus ID: 23275

UniProt ID: [Q9Y2G5](#)

RefSeq Size: 2878

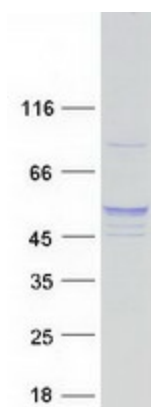
Cytogenetics: 21q22.3

RefSeq ORF: 1287

Synonyms: C21orf80; FUT13

Summary: Fucose is typically found as a terminal modification of branched chain glycoconjugates, but it also exists in direct O-linkage to serine or threonine residues within cystine knot motifs in epidermal growth factor (EGF; MIM 131530)-like repeats or thrombospondin (THBS; see MIM 188060) type-1 repeats. POFUT2 is an O-fucosyltransferase that use THBS type-1 repeats as substrates (Luo et al., 2006 [PubMed 16464857]).[supplied by OMIM, Mar 2008]

Product images:



Coomassie blue staining of purified POFUT2 protein (Cat# [TP309505]). The protein was produced from HEK293T cells transfected with POFUT2 cDNA clone (Cat# [RC209505]) using MegaTran 2.0 (Cat# [TT210002]).