

## Product datasheet for **TP317185M**

### POFUT1 (NM\_015352) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein O-fucosyltransferase 1 (POFUT1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217185 representing NM_015352 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MGAAAWARPLSVSFLLLLLPLPGMPAGSWDPAGYLLYCPCMGRFGNQADHFLGSLAFKLLNRTLAVPPW  
IEYQHHKPPFTNLHVSQKYFKLEPLQAYHRVISLEDFMEKLAPTHWPPEKRVAYCFEVAQAQRSPDKKTC  
PMKEGNPFGPFWDQFHVSFNKSELFTGISFSASYREQWSQRFSPKEHPVLALPGAPAQFPVLEEHRPLQK  
YMWVSDDEMVKTGEAQIHAHLVRPVGIIHLRIGSDWKNACAMLDGDTAGSHFMASPCVGYRSTAAPLTM  
TMCLPDLKEIQRAVKLWVRSQVYVATDSESYVPELQQLFKGKVKVSLKPEVAQVDLYILGQADHF  
IGNCVSSFTAFVKRERDLQGRPSSFFGMDRPPKLRDEF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

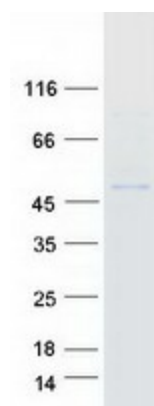
Tag:	C-Myc/DDK
Predicted MW:	41.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.
RefSeq:	<a href="#">NP_056167</a>



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Locus ID:	23509
UniProt ID:	<a href="#">Q9H488</a>
RefSeq Size:	5249
Cytogenetics:	20q11.21
RefSeq ORF:	1164
Synonyms:	DDD2; FUT12; O-Fuc-T; O-FucT-1; O-FUT; OFUCT1
Summary:	This gene encodes a member of the glycosyltransferase O-Fuc family. This enzyme adds O-fucose through an O-glycosidic linkage to conserved serine or threonine residues in the epidermal growth factor-like repeats of a number of cell surface and secreted proteins. O-fucose glycans are involved in ligand-induced receptor signaling. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified POFUT1 protein (Cat# [TP317185]). The protein was produced from HEK293T cells transfected with POFUT1 cDNA clone (Cat# [RC217185]) using MegaTran 2.0 (Cat# [TT210002]).