

Product datasheet for PH317185

POFUT1 (NM_015352) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	POFUT1 MS Standard C13 and N15-labeled recombinant protein (NP_056167)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217185
Predicted MW:	43.96 kDa
Protein Sequence:	>RC217185 representing NM_015352 Red=Cloning site Green=Tags(s) MGA AAWARPLSVSFL LLLLPLPGMPAGSWDPAGYLLYPCMGFRGNQADHFLGSLAF AKLLNRTLAVPPW IEYQH HKPPFTNLHVS YQKYFKLEPLQAYHRV ISLEDFMEKLAPTHWPPEKRVAYCFEVA AQRSPDKKTC PMKEGNPFGPFWDQFHVSFNKSE LFTGISFSASYREQWSQRFS PKEHPVLALPGAPAQFPVLEEHRPLQK YMWSD EMVKTG EAQIHAHLVRP YVGIHLRIGSDWKNACAM LKDG TAGSHFMA SPQCVGYSRSTAA PLTM TMCLPDLKEIQRAVKLWV RSLDAQSVYVATDSES YVPELQQLFKGKVKV VSLKPEVAQVDLYILGQADHF IGNCVSSFTAFVKRERDLQGRPSSFFGMDRPPKLRDEF TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_056167</u>
RefSeq Size:	5249
RefSeq ORF:	1164
Synonyms:	DDD2; FUT12; O-Fuc-T; O-FucT-1; O-FUT; OFUCT1
Locus ID:	23509



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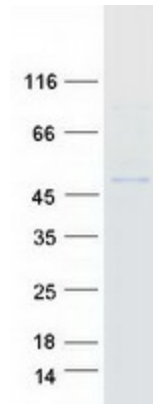
UniProt ID: [Q9H488](#)

Cytogenetics: 20q11.21

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]).