

Recombinant Human POFUT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. POFUT1-5152H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	POFUT1 MS Standard C13 and N15-labeled recombinant protein (NP_056167) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	43.96 kDa
AA Sequence	MGAAAWARPLSVSFLLLLPLPGMPAGSWDPAGYLLYCPCMGRFGNQADHFLGSL AFAKLLNRTLAVPPWIEYQHHKPPFTNLHVSQYQKFKLEPLQAYHRVISLEDFMEKLA PTHWPPEKRVAYCFEVAQQRSPDKKTCPMKEGNPFGPFWDQFHVSNKSELF TGI SFSASYREQWSQRFSPEKHPVLALPGAPAQFPVLEEHRPLQKYMVWSDVMVKTGE AQIHAHLVRPYVGIHLRIGSDWKNACAMLDGTAGSHFMA SPQC VGYSRSTAAPLT MTMCLPDLKEIQRAVKLWVRS LDAQSVYVATDSESYVPELQQLFKGKVKVSLKPE VAQVDLYILGQADHFIGNCVSSFTAFVKRERDLQGRPSSFFGMDRPPKLRDEFTRT

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RPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	POFUT1 protein O-fucosyltransferase 1 [Homo sapiens (human)]
Official Symbol	POFUT1
Synonyms	POFUT1; protein O-fucosyltransferase 1; GDP-fucose protein O-fucosyltransferase 1; FUT12; KIAA0180; O Fuc T; O FUT; o-fucosyltransferase protein; peptide-O-fucosyltransferase 1; O-FUT; O-Fuc-T; O-FucT-1; MGC2482;
Gene ID	23509
mRNA Refseq	NM_015352
Protein Refseq	NP_056167
MIM	607491

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UniProt ID

Q9H488

SDS-PAGE

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