

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
 AFAKLLNRTLAVPPWIEYQHHKPPFTNLHVSQKYFKLEPLQAYHRVISLEDFMEKLA
 PTHWPPEKRVAYCFEVAQRSPDKKTCPMKEGNPFGPFWDQFHVSFNKSELFTGI
 SFSASYREQWSQRFSPEHPVLALPGAPAQFPVLEEHRPLQKYMVWSEMVKTGE
 AQIHAHLVRPYVGIHLRIGSDWKNACAMLDGTAGSHFMASPCVGYRSTAAPLT
 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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