

Recombinant Human POFUT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. POFUT2-903H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	POFUT2 MS Standard C13 and N15-labeled recombinant protein (NP_598368) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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)-like repeats or thrombospondin type-1 repeats. POFUT2 is an O-fucosyltransferase that use THBS type-1 repeats as substrates.
Molecular Mass	50 kDa
AA Sequence	MATLSFVFLLLGAVSWPPASASGQEFWPGQSAADILSGAASRRRYLLYDVNPPEGF NLRRDVYIRIASLLKTLKTEEWVLVLPWGRLYHWQSPDIHQVRIPWSEFFDLPSLN KNIPVIEYEQFIAESGGPFIDQVYVLQSYAEGWKEGTWEEKVDERPCIDQLLYSQDK HEYRGWFWGYEETRGLNVSLVQGSASIVAPLLLRNTSARSVMLDRAENLLHDH YGGKEYWDTRRSMVFARHLREVGDEFRRHLNSTDDADRIPFQEDWMKMKVKLG SALGGPYLGVHLRRKDFIWGHRQDVPSLEGAVRKIRSLMKTHRLDKVFVATDAVRK EYEELKKLLPEMVRFEPTWEELELYKDGGVAIDQWICAHARFFIGTSVSTFSFRIHEE REILGLDPKTTYNRFCGDQEKACEQPTHWKITYTRTRPLEQKLISEEDLAANDILDYK

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	DDDDKV
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	POFUT2 protein O-fucosyltransferase 2 [Homo sapiens (human)]
Official Symbol	POFUT2
Synonyms	POFUT2; protein O-fucosyltransferase 2; C21orf80, chromosome 21 open reading frame 80; GDP-fucose protein O-fucosyltransferase 2; FUT13; KIAA0958; O-FucT-2; peptide-O-fucosyltransferase 2; C21orf80;
Gene ID	23275
mRNA Refseq	NM_133635
Protein Refseq	NP_598368
MIM	610249

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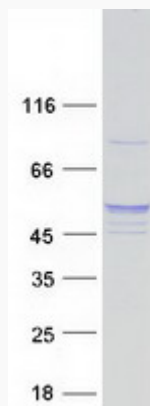
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UniProt ID

Q9Y2G5

SDS-PAGE

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