

Recombinant Human POFUT2 protein, MYC/DDK-tagged

Cat. No. POFUT2-3892H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POFUT2, transcript variant 3, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
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; MIM 131530)-like repeats or thrombospondin (THBS; see MIM 188060) type-1 repeats. POFUT2 is an O-fucosyltransferase that use THBS type-1 repeats as substrates (Luo et al., 2006 [PubMed 16464857]).
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	49.8 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	POFUT2 protein O-fucosyltransferase 2 [Homo sapiens]
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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
UniProt ID	Q9Y2G5
Chromosome Location	21q22.3
Pathway	Other types of O-glycan biosynthesis, organism-specific biosystem; Other types of O-glycan biosynthesis, conserved biosystem;
Function	peptide-O-fucosyltransferase activity; transferase activity, transferring glycosyl groups;

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