

Recombinant Human POFUT2 protein, GST-tagged

Cat. No. POFUT2-285H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POFUT2(1 a.a. - 429 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-429 a.a.
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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	76.4 kDa
AA Sequence	MATLSFVFLLLGAVSWPPASASGQEFWPGQSAADILSGAASRRRYLLYDVNPPEGF NLRDVFYIRIASLLKTKLLK TEEWVLVLPWGRLYHWQSPDIHQVRIPWSEFFDLPSL NKNIPVIEYEQFIAESGGPFIDQVYVLQSYAEGWKEG TWEKVDERPDCIDQLLYSQD KHEYYRGWFWGYEETRGLNVSCLSVQGSASIVAPLLLNRNTSARSVMLDRAENLLH DHYGGKEYWDTRRSMV FARHLREVGDEFRRHLNSTDDADRIPFQEDWMKMKVK

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LGSALGGPYLGVHLRRKDFIW GHRQDVPSLEGAVRKIRSLMKTHRLDKVAVTDAV
RKEYEELKLLPEMVRFEPTWEELELYKDDGGVAIIDQWIC AHARFFIGTSVSTFSFRI
HEEREILGLDPKTTYNRFCGDQEKACEQPTHWKITY

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

POFUT2 protein O-fucosyltransferase 2 [Homo sapiens]

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

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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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