

Recombinant Full Length Human POFUT2 Protein, GST-tagged

Cat. No. POFUT2-606HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human POFUT2(1 a.a. - 429 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	429 amino acids
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	MATLSFVFL LGAVSWPPAS ASGQEFWPGQ SAADILSGAA SRRRYLLYDV NPPEGFNLRR DVYIRIASLL KTLKTEEWV LVLPPWGRLY HWQSPDIHQV RIPWSEFFDL PSLNKNIPVI EYEQFIAESG GPFIDQVYVL QSYAEGWKEG TWEEKVDERP CIDQLLYSQD KHEYYRGWFW GYEETRGLNV SCLSVQGSAS IVAPLLLRNT SARSVMLDRA ENLLHDHYGG KEYWDTRRSM VFARHLREVG

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DEFRRHLNS TDDADRIPFQ EDWMKMKVKL GSALGGPYLG VHLRRKDFIW
 GHRQDVPSLE GAVRKIRSLM KTHRLDKVfV ATDAVRKEYE ELKKLLPEMV
 RFEPTWEELE LYKDGGVAII DQWICAHARF FIGTSVSTFS FRIHEEREIL
 GLDPKTTYNR FCGDQEKACE QPTHWKITY

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

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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