

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 KHEYRGWFW GYEETRGLNV SCLSVQGSAS IVAPLLLRNT SARSVMLDRA ENLLHDHYGG KEYWDTRRSM VFARHLREVG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DEFRSRHLNS TDDADRIPFQ EDWMKMKVKL GSALGGPYLG VHLRRKDFIW
GHRQDVPSLE GAVRKIRSLM KTHRLDKV FV 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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