

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

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

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | POFUT2 MS Standard C13 and N15-labeled recombinant protein (NP_598368) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | HEK293  |
| <b>Description</b>      | 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.   |
| <b>Molecular Mass</b>   | 50 kDa  |
| <b>AA Sequence</b>      | MATLSFVFLLLGAVSWPPASASGQEFWPGQSAADILSGAASRRRYLLYDVNPPEGF<br>NLRRDVYIRIASLLKTLKTEEWVLVLPWGRLYHWQSPDIHQVRIPWSEFFDLPSLN<br>KNIPVIEYEQFIAESGGPFIDQVYVLQSYAEGWKEGTWEEKVDERPCIDQLLYSQDK<br>HEYYRGWFWGYEETRGLNVSCLSVQGSASIVAPLLLNRNTSARSVMLDRAENLLHDH<br>YGGKEYWDTRRSMV FARHLREVGDEFRRHLNSTDDADRIPFQEDWMKMKVKLG<br>SALGGPYLGVHLRRKDFIWGHRQDVPSLEGAVRKIRSLMKTHRLDKVVFATDAVRK<br>EYEELKLLPEMVRFEPTWEELELYKDGGVAIDQWICAHARFFIGTSVSTFSFRIHEE<br>REILGLDPKTTYNRFCGDQEKACEQPTHWKITYTRTRPLEQKLISEEDLAANDILDYK |

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|                         |  |
|-------------------------|--|
|                         | DDDDKV   |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.   |
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.  |
| <b>Concentration</b>    | 50 µg/mL as determined by BCA  |
| <b>Storage Buffer</b>   | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.  |
| <b>GENE INFORMATION</b> |  |
| <b>Gene Name</b>        | POFUT2 protein O-fucosyltransferase 2 [ Homo sapiens (human) ]   |
| <b>Official Symbol</b>  | POFUT2   |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 23275  |
| <b>mRNA Refseq</b>      | NM_133635  |
| <b>Protein Refseq</b>   | NP_598368  |
| <b>MIM</b>              | 610249   |

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UniProt ID

Q9Y2G5

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