

## Recombinant Human POFUT2 protein, MYC/DDK-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human POFUT2, transcript variant 3, fused with MYC/DDK tag at C-terminal was expressed in HEK293.                                                                                                                                                                                                                                                                                                                   |
| <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; 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]). |
| <b>Form</b>             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 49.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | >80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                |

### GENE INFORMATION

|                  |                                                        |
|------------------|--------------------------------------------------------|
| <b>Gene Name</b> | POFUT2 protein O-fucosyltransferase 2 [ Homo sapiens ] |
|------------------|--------------------------------------------------------|

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

|                            |                                                                                                                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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                                                                                                                                                                                                 |
| <b>UniProt ID</b>          | Q9Y2G5                                                                                                                                                                                                 |
| <b>Chromosome Location</b> | 21q22.3                                                                                                                                                                                                |
| <b>Pathway</b>             | Other types of O-glycan biosynthesis, organism-specific biosystem; Other types of O-glycan biosynthesis, conserved biosystem;                                                                          |
| <b>Function</b>            | peptide-O-fucosyltransferase activity; transferase activity, transferring glycosyl groups;                                                                                                             |