



# Recombinant Human GDP-fucose protein O-fucosyltransferase 1 (POFUT1)

<b>Product Code</b>	CSB-EP862013HU
<b>Abbreviation</b>	POFUT1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9H488
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	GSWD PAGYLLYCPC MGRFGNQADH FLGSLAFACL LNRTLAVPPW IEYQHHPKF TNLHVSQKY FKLEPLQAYH RVISLEDFME KLAPTHWPPE KRVAYCFEVA AQRSPDKKTC PMKEGNPFGP FWDQFHVSFN KSELFTHGIF SASYREQWSQ RFSPKEHPVL ALPGAPAQFP VLEEHRPLQK YMWVSDVMVK TGEAQIHAHL VRPYVGIHLR IGSDWKNACA MLKDGTAGSH FMASPCVGY SRSTAAPLTM TMCLPDLKEI QRAVKLWVRS LDAQSVYVAT DSESYVPELQ QLFKGVKVV SLKPEVAQVD LYILGQADHF IGNCVSSFTA FVKRERDLQG RPSSFFGMDR PPKLRDEF
<b>Source</b>	E.coli
<b>Target Names</b>	POFUT1
<b>Protein Names</b>	Recommended name: GDP-fucose protein O-fucosyltransferase 1 EC= 2.4.1.221 Alternative name(s): Peptide-O-fucosyltransferase 1 Short name= O- FucT-1
<b>Expression Region</b>	27-388
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a member of the glycosyltransferase O-Fuc family. This enzyme adds O-fucose through an O-glycosidic linkage to conserved serine or threonine residues in the epidermal growth factor-like repeats of a number of cell surface and secreted proteins. O-fucose glycans are involved in ligand- induced receptor signaling. Alternative splicing of this gene results in two transcript variants encoding different isoforms.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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