



# Recombinant Human Galactoside 2-alpha-L-fucosyltransferase 1 (FUT1), partial

<b>Product Code</b>	CSB-BP009073HU1
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P19526
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>                     HIHQDSFPHGLGLSILCPDRRLVTPPVAFCLPGTAMGNASSSCPQHPASLSG                      TWTVYP                      NGRFGNQMGQYATLLALAQLNGRRAFILPAMHAALAPVFRITLPVLAPEVDSR                      TPWRELQ                      LHDWMSEEYADLRDPFLKLSGFPCSWTFFHHLREQIRREFTLHDHLREEAQS                      VLGQLRLG                      RTGDRPRTFVGVHVRRGDYLVMPQRWKGVVGD SAYLRQAMDWFRARHEA                      PVFVVT SNGM                      EWCKENIDTSQGDVTFAGDGQEATPWKDFALLTQC NHTIMTIGTFGFWAAYL                      AGGDTVYL ANFTLPDSEFLKIFKPEAAFLPEWVGINADLSPLWTLAKP                 </p>
<b>Source</b>	Baculovirus
<b>Target Names</b>	FUT1
<b>Protein Names</b>	Recommended name: Galactoside 2-alpha-L-fucosyltransferase 1 EC=2.4.1.69 Alternative name(s): Alpha(1,2)FT 1 Blood group H alpha 2-fucosyltransferase Fucosyltransferase 1 GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransfe
<b>Expression Region</b>	26-365
<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>	partial
<b>Target Details</b>	This protein is a Golgi stack membrane protein that is involved in the creation of a precursor of the H antigen, which is required for the final step in the soluble A and B antigen synthesis pathway. This gene is one of two encoding the galactoside 2-L-fucosyltransferase enzyme. Mutations in this gene are a cause of the H-Bombay blood group.
<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.



## Shelf Life

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.