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

Product Code	CSB-EP009073HU1
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P19526
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	HIHQDSFPHGLGLSILCPDRRLVTPPVAIFCLPGTAMGPNASSSCPQHPASLSG TWTVYP NGRFGNQMGQYATLLALAQLNGRRAFILPAMHAALAPVFRITLPVLAPEVDSR TPWRELQ LHDWMSEEYADLRDPFLKLSGFPCSWTFFHHLREQIRREFTLHDHLREEAQS VLGQLRLG RTGDRPRTFVGVHVRRGDYLQVMPQRWKGVVGDSAYLRQAMDWFRARHEA PVFVVTSNGM EWCKENIDTSQGDVTFAGDGQEATPWKDFALLTQCNHTIMTIGTFGFWAAYL AGGDTVYL ANFTLPDSEFLKIFKPEAAFLPEWVGINADLSPLWTLAKP
Source	E.coli
Target Names	FUT1
Protein Names	Recommended name: Galactoside 2-alpha-L-fucosyltransferase 1 EC= 2.4.1.69Alternative 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
Expression Region	26-365
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	partial
Target Details	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.
Reconstitution	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.