

## Product datasheet for **TP310361L**

### Galactoside 2 alpha L fucosyltransferase 1 (FUT1) (NM\_000148) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, H blood group) (FUT1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210361 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MWLRSHRQLCLAFLLVCLVSVIFFLHIHQDSFPHGLGLSILCPDRRLVTPPVAIFCLPGTAMGPNASSSC PQHPASLSGTWTVYPNGRFGNQMGQYATLLALAQLNGRRAFILPAMHAALAPVFRITLPLAPEVDSRTP WRELQLHDWMSEYADLRDPFLKLSGFPCSWTFFHHLREQIRREFTLHDHLREEAQSVLGQLRLGRTGDR PRTFVGVHVRRGDYLVMPQRWKGVVGDSAYLRQAMDWFRARHEAPVFWVTSNGMEWCKENIDTSQGDVT FAGDGEATPWKDFALLTQCNTIMTIGTFGFWAAYLAGGDTVYLANFTLPDSEFLKIFKPEAAFLPEWV GINADLSPLWTLAKP  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	41.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_000139</a>



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Locus ID: 2523

UniProt ID: [P19526](#), [Q6IZA2](#)

RefSeq Size: 4246

Cytogenetics: 19q13.33

RefSeq ORF: 1095

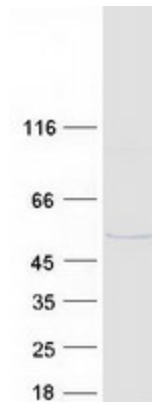
Synonyms: H; HH; HSC

**Summary:** This gene encodes 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 synthesis of soluble A and B antigens. This is one of two genes encoding the galactoside 2-L-fucosyltransferase enzyme. Mutations in this gene are a cause of the H-Bombay blood group. [provided by RefSeq, Aug 2016]

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Glycosphingolipid biosynthesis - globo series, Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways

### Product images:



Coomassie blue staining of purified FUT1 protein (Cat# [TP310361]). The protein was produced from HEK293T cells transfected with FUT1 cDNA clone (Cat# [RC210361]) using MegaTran 2.0 (Cat# [TT210002]).