

Product datasheet for PH310361

Galactoside 2 alpha L fucosyltransferase 1 (FUT1) (NM_000148) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FUT1 MS Standard C13 and N15-labeled recombinant protein (NP_000139)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210361
Predicted MW:	41.3 kDa
Protein Sequence:	>RC210361 protein sequence Red=Cloning site Green=Tags(s) MWLRSHRQLCLAFLLVCVLSVIFFLHIHQDSFPHGLGLSILCPDRRLVTPPVAIFCLPGTAMGPNASSSC PQHPASLSGTWTYYPNGRFGNQMGQYATLLALAQLNGRRRAFILPAMHAALAPVFRITLPVLAPEVDSRTP WRELQLHDWMSEEYADLRDPFLKLSGFPCSWTFFHHLREQIRREFTLHDHLREEAQSVLGQLRLGRTGDR PRTFVGVHVRGDYLVMPQRWKGVVGD SAYLRQAMDWFRARHEAPVVFVTSNGMEWCKENIDTSQGDVT FAGDGEATPWKDFALLTQCNHTIMTIGTFGFWAAYLAGGDTVYLANFTLPDSEFLKIFKPEAAFLPEWV GINADLSPLWTLAKP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000139</u>
RefSeq Size:	4246
RefSeq ORF:	1095
Synonyms:	H; HH; HSC
Locus ID:	2523



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UniProt ID: [P19526](#), [Q61ZA2](#)

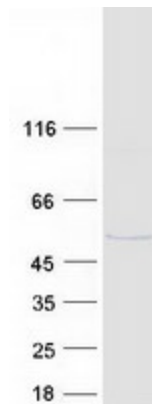
Cytogenetics: 19q13.33

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]).