

Recombinant Full Length Human FUT1 Protein, GST-tagged

Cat. No. FUT1-5173HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FUT1 full-length ORF (NP_000139.1, 1 a.a. - 365 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	365 amino acids
Description	The protein encoded by this gene 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. [provided by RefSeq
Molecular Mass	67.7 kDa
AA Sequence	MWLRSHRQLCLAFLLVCVLSVIFFLHHQDSFPHGLGLSILCPDRRLVTPPVAIFCLPG TAMGPNASSSCPQHPASLSGTWTVYPNGRFGNQMGQYATLLALAQLNGRRAFILP AMHAALAPVFRITLPVLAPEVDSRTPWRELQLHDDWMSEEYADLRDPFLKLSGFPCS WTFHHLREQIRREFTLHDHLREEAQSVLGQLRLGRTGDRPRTFVGHVRRGDYDYLQ VMPQRWKGVVGDSAYLRQAMDWFRARHEAPVFVVTSTNGMEWCKENIDTSQGDVT FAGDGQEATPWKDFALLTQCNHTIMTIGTFGFWAAYLAGGDTVYLANFTLPDSEFLK IFKPEAAFLPEWVGINADLSPLWTLAKP

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	FUT1 fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, H blood group) [Homo sapiens]
Official Symbol	FUT1
Synonyms	FUT1; fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, H blood group); fucosyltransferase 1 (galactoside 2 alpha L fucosyltransferase), fucosyltransferase 1 (galactoside 2 alpha L fucosyltransferase, Bombay phenotype included), H, HSC; galactoside 2-alpha-L-fucosyltransferase 1; alpha(1,2)FT 1; 2-alpha-L-fucosyltransferase; alpha (1,2) fucosyltransferase; blood group H alpha 2-fucosyltransferase; GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 1; fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase); H; HH; HSC;
Gene ID	2523
mRNA Refseq	NM_000148
Protein Refseq	NP_000139

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MIM	211100
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UniProt ID	P19526
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