

Recombinant Human FUT2 Protein (AA 34-343), N-6×His/GFP tagged

Cat. No. FUT2-26H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FUT2 Protein (AA 34-343) with N-6×His/GFP tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	AA 34-343
Description	This gene is one of two encoding the galactoside 2-L-fucosyltransferase enzyme. The encoded protein is important for the final step in the soluble ABO blood group antigen synthesis pathway. It is also involved in cell-cell interaction, cell surface expression, and cell proliferation. Mutations in this gene are a cause of the H-Bombay blood group where red blood cells lack the H antigen.
Molecular Mass	65-70 kDa
AA Sequence	KIQAMWELPVQIPVLASTSKALGPSQLRGMWTINAIGRLGNQMGEYATLYALAKMN GRPAFIPAQMHS TLAPIFRITLPVLHSATASRIPWQNYHLNDWMEEEYRHFPGEYVR FTGYPCSWTFYHHLRQEILQEFTLHDHVREEAQKFLRGLQVNGSRPGTFVGVHVRR GDYVHVMPKVWKGVVADRRYLQQALDWFRARYSSLIFVVT SNGMAWCRENIDTSH GDVVFAGD GIEGSPAKDFALLTQCNHTIMTIGTFGIWAAYLTGGDTIYLAN YTLPDSP FLKIFKPEAAFLPEWTGIAADLSPLLKH

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Purity	>95%, by SDS-PAGE as visualized by Coomassie Blue Staining
Stability	6 months if stored at -80 centigrade. Avoid repeated freeze thaws.
Concentration	1 mg/mL
Storage Buffer	Supplied as a 0.2 µm filtered solution in 20mM HEPES pH 7.0 and 100mM NaCl buffer, with 10% Glycerol.
Preservative	0.05 % NaN ₃
Shipping	This product is shipped as 0.2µm filtered product on dry ice.

GENE INFORMATION

Gene Name	FUT2 fucosyltransferase 2 (secretor status included) [Homo sapiens (human)]
Official Symbol	FUT2
Synonyms	FUT2; fucosyltransferase 2 (secretor status included); SE; galactoside 2-alpha-L-fucosyltransferase 2; alpha (1; 2) fucosyltransferase; alpha(1; 2)FT2; galactoside 2 alpha L fucosyltransferase 2; GDP L fucose:beta D galactoside 2 alpha L fucosyltransferase 2; Se2; SEC2; secretor blood group alpha 2 fucosyltransferase; secretor factor; sej; alpha(1,2)FT2; alpha(1,2)FT 2; alpha (1,2) fucosyltransferase; secretor blood group alpha-2-fucosyltransferase; GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 2; B12QTL1;
Gene ID	2524
mRNA Refseq	NM_000511

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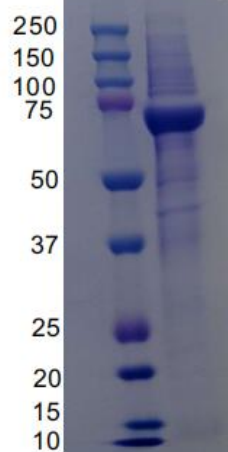
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Protein Refseq NP_000502

MIM 182100

UniProt ID Q10981

SDS-PAGE



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