

## Recombinant Human FUT3 Protein, GST-tagged

Cat. No. FUT3-4561H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human FUT3 full-length ORF ( NP_000140.1, 1 a.a. - 361 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>The Lewis histo-blood group system comprises a set of fucosylated glycosphingolipids that are synthesized by exocrine epithelial cells and circulate in body fluids. The glycosphingolipids function in embryogenesis, tissue differentiation, tumor metastasis, inflammation, and bacterial adhesion. They are secondarily absorbed to red blood cells giving rise to their Lewis phenotype. This gene is a member of the fucosyltransferase family, which catalyzes the addition of fucose to precursor polysaccharides in the last step of Lewis antigen biosynthesis. It encodes an enzyme with alpha(1,3)-fucosyltransferase and alpha(1,4)-fucosyltransferase activities. Mutations in this gene are responsible for the majority of Lewis antigen-negative phenotypes. Multiple alternatively spliced variants, encoding the same protein, have been found for this gene. [provided by RefSeq]</p>
<b>Molecular Mass</b>	68.5 kDa
<b>AA Sequence</b>	<p>MDPLGAAKPQWPWRRCLAALLFQLLVAVCFFSYLRVSRDDATGSPRAPSGSSRQD            TTPTRPTLLILLWTWPFHIPVALSRCSEMVPGTADCHITADRKVYPQADTVIVHHWDI            MSNPKSRLPPSPRPQGQRWIWFNLEPPPNQCQHLEALDRYFNLTMSYRSDSIDFTPY</p>

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GWLEPWGQPAHPPLNLSAKTELVAWAVSNWKPDSARVRYYYQSLQAHLKVDVYG  
 RSHKPLPKGTMMETLSRYKFYLAFENSLHPDYITEKLWRNALEAWAVPVVVGPSRS  
 NYERFLPPDAFIHVDDFQSPKDLARYLQELDKDHARYLSYFRWRETLRPRSFSWAL  
 DFCKACWKLQQESRYQTVRSIAAWFT

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">FUT3 fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group)</a> <a href="#">[ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">FUT3</a>
<b>Synonyms</b>	FUT3; fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group); fucosyltransferase 3 (galactoside 3(4) L fucosyltransferase, Lewis blood group included), LE; galactoside 3(4)-L-fucosyltransferase; CD174; Lewis FT; fucosyltransferase III; alpha-(1,3/1,4)-fucosyltransferase; blood group Lewis alpha-4-fucosyltransferase; LE; Les; FT3B; FucT-III; MGC131739;
<b>Gene ID</b>	<a href="#">2525</a>

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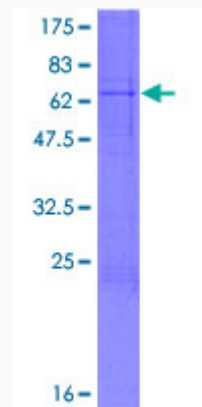
mRNA Refseq [NM\\_000149](#)

Protein Refseq [NP\\_000140](#)

MIM [111100](#)

UniProt ID [P21217](#)

**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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