

Recombinant Human FUT3 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human FUT3 full-length ORF (NP_000140.1, 1 a.a. - 361 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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
Molecular Mass	68.5 kDa
AA Sequence	MDPLGAAKPQWPWRRCLAALLFQLLVAVCFFSYLRVSRDDATGSPRAPSGSSRQD TTPTRPTLLILLWTWPFHIPVALSRCSEMVPGTADCHITADRKVYPQADTVIVHHWDI MSNPKSRLPPSPRPQGQRWIWFNLEPPPNQCQHLEALDRYFNLTMSYRSDSDIFTYPY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GWLEPWSGQPAHPPLNLSAKTELVAWAVSNWKPD SARVRYYYQSLQAHLKVDVYG
 RSHKPLPKGTMMETLSRYKFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGPSRS
 NYERFLPPDAFIHVDDFQSPKDLARYLQELDKDHARYLSYFRWRET LRPRSF SWAL
 DFCKACWKLQQESRYQTVRSIAAWFT

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 [FUT3 fucosyltransferase 3 \(galactoside 3\(4\)-L-fucosyltransferase, Lewis blood group\)](#)
[\[Homo sapiens \]](#)

Official Symbol [FUT3](#)

Synonyms 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;

Gene ID [2525](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

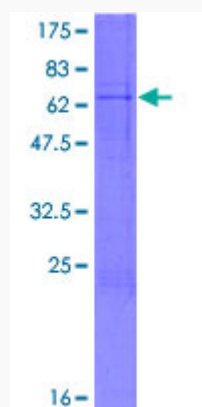
mRNA Refseq [NM_000149](#)

Protein Refseq [NP_000140](#)

MIM [111100](#)

UniProt ID [P21217](#)

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA