

## Recombinant Human FUT3, His-tagged

**Cat. No.** FUT3-2322H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human FUT3 protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	350aa
<b>Description</b>	Fucosyltransferase 3, also known as FUT3, may catalyze alpha-1,3 and alpha-1,4 glycosidic linkages involved in the expression of Vim-2, Lewis A, Lewis B, sialyl Lewis X and Lewis X/SSEA-1 antigens. This protein may be involved in blood group Lewis determination; Lewis-positive (Le+) individuals have an active enzyme while Lewis-negative (Le-) individuals have an inactive enzyme. Also acts on the corresponding 1,4-galactosyl derivative, forming 1,3-L-fucosyl links.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
<b>Molecular Mass</b>	40.6 kDa
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSRVSRDDA TGSPRAPSGS SRQDTPTRP TLLILLWTWP FHIPVALSRC SEMVPGTADC HITADRVYP QADTVIVHHW DIMSNPKSRL PPSRPQGQR WIWFNLEPPP NCQHLEALDR YFNLTMSYRS DSDIFTPYGW LEPWSGQPAH PPLNLSAKTE LVAWAVSNWK PDSARVRYQ SLQAHLKVDV YGRSHKPLPK GTMMETLSRY KFYLAFENSL HPDYITEKLW

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RNALEAWAVP VVLGPSRSNY ERFLPPDAFI HVDDFQSPKD LARYLQELDK  
DHARYLSYFR WRETLRPRSF SWALDFCKAC WKLQQESRYQ TVRSIAAWFT

**Purity** >80% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Store it at +4°C for short term. For long term storage, store it at -20°C ~ -70°C  
Avoid freeze/thaw cycles.

**Concentration** 1 mg/ml

## 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](#)

**mRNA Refseq** [NM\\_000149](#)

**Protein Refseq** [NP\\_000140](#)

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<b>UniProt ID</b>	P21217
<b>Chromosome Location</b>	19p13.3
<b>Pathway</b>	Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, conserved biosystem; Metabolic pathways, organism-specific biosystem;
<b>Function</b>	3-galactosyl-N-acetylglucosaminide 4-alpha-L-fucosyltransferase activity; alpha-(1->3)-fucosyltransferase activity; fucosyltransferase activity; transferase activity, transferring glycosyl groups;

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