

Recombinant Human FUT7, His-tagged

Cat. No. FUT7-131H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FUT7,37-342aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	37-342aa
Description	FUT7 is a golgi stack membrane protein that is involved in the creation of sialyl-Lewis X antigens. This protein can direct the synthesis of the E-selectin-binding sialyl-Lewis X moiety. Recombinant human FUT7 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	37.9 kDa (329aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSPRGTPAP QPTITILVWH WPFTDQPPEL PSDTCTRYGI ARCHLSANRS LLASADAVVF HHRELQTRRS HLPLAQRPRG QPWWASMES PSHTHGLSHL RGIFNWVLSY RRDSDIFVPY GRLEPHWGPS PPLPAKSRVA AWWVSNFQER QLRARLYRQL APHLRVDVFG RANGRPLCAS CLVPTVAQYR FYLSFENSQH RDYITEKFWR NALVAGTVPV VLGPPRATYE AFVPADAFVH VDDFGSAREL AAFLTGMNES RYQRFFAWRD RLRVRLFTDW RERFCAICDR YPHLPRSQVY EDLEGWFQA

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Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	FUT7 fucosyltransferase 7 (alpha (1,3) fucosyltransferase) [Homo sapiens]
Official Symbol	FUT7
Synonyms	FUT7; fucosyltransferase 7 (alpha (1,3) fucosyltransferase); alpha-(1,3)-fucosyltransferase; fuc-TVII; fucosyltransferase VII; selectin ligand synthase; selectin-ligand synthase; galactoside 3-L-fucosyltransferase; FucT-VII;
Gene ID	2529
mRNA Refseq	NM_004479
Protein Refseq	NP_004470
MIM	602030
UniProt ID	Q11130
Chromosome Location	9q34.3
Pathway	Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, conserved

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biosystem; Metabolic pathways, organism-specific biosystem; Other types of O-glycan biosynthesis, organism-specific biosystem; Other types of O-glycan biosynthesis, conserved biosystem;

Function

alpha-(1->3)-fucosyltransferase activity; fucosyltransferase activity; transferase activity, transferring glycosyl groups;

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