Recombinant Human FUT4, His-tagged

Cat. No. FUT4-13044H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FUT4 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	174-407a.a.
Description	The product of this gene transfers fucose to N-acetyllactosamine polysaccharides to generate fucosylated carbohydrate structures. It catalyzes the synthesis of the non-sialylated antigen, Lewis x (CD15).
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	FUT4 fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific) [Homo sapiens]
Official Symbol	FUT4

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Synonyms	FUT4; fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific); CD15, ELFT, FCT3A; alpha-(1,3)-fucosyltransferase; ELAM ligand fucosyltransferase; FUC TIV; galactoside 3 L fucosyltransferase; Lewis X; fucT-IV; fucosyltransferase IV; ELAM-1 ligand fucosyltransferase; galactoside 3-L-fucosyltransferase; stage-specific embryonic antigen 1; LeX; CD15; ELFT; FCT3A; FUTIV; SSEA-1; FUC-TIV;
Gene ID	2526
mRNA Refseq	NM_002033
Protein Refseq	NP_002024
MIM	104230
UniProt ID	P22083
Chromosome Location	11q12-qter
Pathway	Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, conserved 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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