

Active Recombinant Human FUT7 Protein, His-tagged

Cat. No. FUT7-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FUT7 Protein (Ala36-Ala342) with a C-terminal 6-His tag was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	36-342 a.a.
Description	The protein encoded by this gene is a Golgi stack membrane protein that is involved in the creation of sialyl-Lewis X antigens. The encoded protein can direct the synthesis of the E-selectin-binding sialyl-Lewis X moiety.
Bio-activity	Measured by its ability to transfer fucose from GDP-fucose to fetal bovine fetuin. The specific activity is >175 pmol/min/μg, as measured under the described conditions.
Molecular Mass	36 kDa
N-terminal Sequence Analysis	Ala36
Endotoxin	< 1 EU/μg of the protein by the LAL method.
Purity	> 95% by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

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Applications	Enzyme Activity
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.
Storage Buffer	Supplied as a 0.2 µm filtered solution in Tris and NaCl.
Shipping	The product is shipped with polar packs.

GENE INFORMATION

Gene Name	FUT7 fucosyltransferase 7 [Homo sapiens (human)]
Official Symbol	FUT7
Synonyms	FUT7; fucosyltransferase 7; FucT-VII; alpha-(1,3)-fucosyltransferase 7; fuc-TVII; fucosyltransferase 7 (alpha (1,3) fucosyltransferase); fucosyltransferase VII; galactoside 3-L-fucosyltransferase; selectin-ligand synthase; EC 2.4.1.-
Gene ID	2529
mRNA Refseq	NM_004479
Protein Refseq	NP_004470
MIM	602030
UniProt ID	Q11130

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