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**Product Data Sheet**


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Product Name: FUT7 Human

Cat. No.: GP21640

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Fucosyltransferase 7 (Alpha (1;3) Fucosyltransferase); Fucosyltransferase VII; Galactoside 3-L-Fucosyltransferase; Selectin Ligand Synthase; FucT-VII; Fuc-TVII; FUT7; Alpha-(1;3)-Fucosyltransferase 7; Selectin-Ligand Synthase; EC 2.4.1.-; Fuc-TVII; Fucosyltransferase 7; EC 2.4.1; EC 2.4.1.65.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSPRGTPAP QPTITILVWH WPFTDQPPEL PSDTCTRYGI ARCHLSANRS LLASADAVVF HHRELQTRRS HLPLAQRPRG QPWWASMES PSHTHGLSHL RGIFNWVLSY RRDSDFVPY GRLEPHWGPS PPLPAKSRVA AWWVSNFQER QLRARLYRQL APHLRVDVFG RANGRPLCAS CLVPTVAQYR FYLSFENSQH RDYITEKFWR NALVAGTVPV VLGPPRATYE AFVPADAFVH VDDFGSAREL AAFLTGMNES RYQRFFAWRD RLRVRLFTDW RERFCAICDR YPHLPRSQVY EDLEGWFQA.		
Formulation	The FUT7 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

**Introduction**

Fucosyltransferase 7 (FUT7) is a golgi stack membrane protein which is involved in the creation of sialyl-Lewis X antigens. The FUT7 protein leads the synthesis of the E-selectin-binding sialyl-Lewis X moiety. FUT7 catalyzes alpha-1,3 glycosidic linkages involved in the expression of sialyl Lewis X antigens.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

FUT7 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 329 amino acids (37-342) and having a molecular mass of 37.9kDa. FUT7 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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