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32-2334: FUT3 Recombinant Protein

Alternative Name :	Galactoside 3(4)-L-fucosyltransferase,Blood group Lewis alpha-4-fucosyltransferase,Lewis FT,Fucosyltransferase 3,Fucosyltransferase III,FucT-III,FUT3,FT3B,LE,CD174,Les.

Description

Source : Escherichia Coli. FUT3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 350 amino acids (35-361 a.a) and having a molecular mass of 40.6kDa.FUT3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Fucosyltransferase 3 (FUT3) catalyzes alpha-1, 3 and alpha-1, 4 glycosidic linkages which take part in the expression of Vim-2, Lewis A, Lewis B, sialyl Lewis X and Lewis X/SSEA-1 antigens. FUT3 takes part in blood group Lewis determination; Lewis-positive (Le+) individuals have an active enzyme while Lewis-negative (Le-) individuals have an inactive enzyme. FUT3 also operates on the corresponding 1, 4-galactosyl derivative, creating1, 3-L-fucosyl links.

Product Info

Amount :	10 µg
Purification :	Greater than 80% as determined by SDS-PAGE.
Content :	The FUT3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSRVSRDDA TGSPRAPSGS SRQDTTPTRP TLLILLWTWP FHIPVALSRC SEMVPGTADC HITADRKVYP QADTVIVHHW DIMSNPKSRL PPSPRPQGQR WIWFNLEPPP NCQHLEALDR YFNLTMSYRS DSDIFTPYGW LEPWSGQPAH PPLNLSAKTE LVAWAVSNWK PDSARVRYYQ SLQAHLKVDV YGRSHKPLPK GTMMETLSRY KFYLAFENSL HPDYITEKLW RNALEAWAVP VVLGPSRSNY ERFLPPDAFI HVDDFQSPKD LARYLQELDK DHARYLSYFR WRETLRPRSF SWALDFCKAC WKLQQESRYQ TVRSIAAWFT.

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