

FUT3, 35-361aa, Human, His tag, E.coli

Cat.NO.: TP02164

3th Edition

Synonyms:Fucosyltransferase 3 , CD174, FT3B, FucT-III, LE, Les

Description:Fucosyltransferase 3, also known as FUT3, may catalyze alpha-1,3 and alpha-1,4 glycosidic linkages involved in the expression of Vim-2, Lewis A, Lewis B, sialyl Lewis X and Lewis X/SSEA-1 antigens. This protein may be involved in blood group Lewis determination; Lewis-positive (Le+) individuals have an active enzyme while Lewis-negative (Le-) individuals have an inactive enzyme. Also acts on the corresponding 1,4-galactosyl derivative, forming 1,3-L-fucosyl links. Recombinant human FUT3 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 Weight:40.6 kDa (350aa)

Sequences:

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MGSSHHHHHSSGLVPRGSHMGSRVSRDDATGSPRAPSGSSRQDTPTRPTLLILLWTWPFHIPVALSRCSEMV  
PGTADCHITADRKVYPQADTVIVHHWDIMSNPKSRLPPSPRPQGQRWIWFNLEPPPNCQHLEALDRYFNLTMSYR  
SDSDIFTPYGWLEPWGQPAHPPLNLSAKTELVAWAVSNWKPDSARVRYQSLQAHLKVDVYGRSHKPLPKGTM  
METLSRYKFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKDLARYLQELDK  
DHARYLSYFRWRETLRPRSFSWALDFCKACWKLQQESRYQTVRSIAAWFT
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Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.