

AR51146PU-S

Human Fucosyltransferase 3 (35-361, His-tag) - Purified

Alternate names:	Blood group Lewis alpha-4-fucosyltransferase, FT3B, FUT3, FucT-III, Fucosyltransferase III, Galactoside 3(4)-L-fucosyltransferase, LE, Lewis FT
Quantity:	50 µg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P21217
NCBI:	NP_001091110
GeneID:	2525
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >80% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Description:	Recombinant human FUT3 protein, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHH SGLVPRGSH MGSRVSRDDA TGSPRAPSGS SRQDTTPTRP TLLILLWTWP FHIPVALSRC SEMVPGTADC HITADRKVYP QADTVIVHHW DIMSNPKSRL PPSRPQGGQR WIWFNLEPPP NCQHLEALDR YFNLTMSYRS DSDIFTPYGW LEPWSGQPAH PPLNLSAKTE LVAWAVSNWK PDSARVRYQ SLQAHLKVDV YGRSHKPLPK GTMMETLSRY KFYLAFENSL HPDYITEKLW RNALEAWAVP VVLGSPRSNY ERFLPPDAFI HVDDFQSPKD LARYLQELDK DHARYLSYFR WRETLRPRSF SWALDFCKAC WKLQQESRYQ TVRSIAAWFT Molecular weight: 40.6 kDa (350aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Cameron H.S., et al. (1995) J. Biol. Chem. 270:20112-20122 Nishihara S., et al. (1993) Biochem. Biophys. Res. Commun. 196:624-631

Pictures:

