

Recombinant human Fucosyltransferase 7/FUT7 protein

Catalog Number: ATGP2624

PRODUCT INFORMATION

Expression system

E.coli

Domain

37-342aa

UniProt No.

Q11130

NCBI Accession No.

NP_004470

Alternative Names

Alpha-(1,3)-fucosyltransferase 7, Fucosyltransferase 7, Fucosyltransferase VII, Fuc-TVII, Galactoside 3-L-fucosyltransferase, Selectin ligand synthase

PRODUCT SPECIFICATION

Molecular Weight

37.9 kDa (329aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

FuT7 is a golgi stack membrane protein that is involved in the creation of sialyl-Lewis X antigens. This protein can direct the synthesis of the E-selectin-binding sialyl-Lewis X moiety. Recombinant human FuT7 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSPRGTPAP QPTITILVWH WPFTDQPPEL PSDTCTRYGI ARCHLSANRS LLASADAVVF

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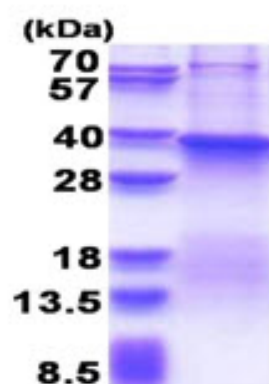
HHRELQTRRS HLPLAQRPRG QPWVWASMES PSHTHGLSHL RGIFNWVLSY RRDSDFVPY GRLEPHWGPS PPLPAKSRVA
AWVVSNFQER QLRARLYRQL APHLRVDVFG RANGRPLCAS CLVPTVAQYR FYLSFENSQH RDYITEKFWR NALVAGTVPV
VLGPPRATYE AFVPADAFVH VDDFGSAREL AAFLTGMNES RYQRFFAWRD RLRVRLFTDW RERFCAICDR YPHLPRSQVY
EDLEGWFQA

General References

de Vries T., et al. (2001) *Glycobiology*. 11:423-432
Sasaki K., et al. (1994) *J. Biol. Chem.* 269:14730-14737

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)