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Recombinant human O-fucosyltransferase 1/POFUT1 protein

Catalog Number: ATGP1913

PRODUCT INFORMATION

Expression system

E.coli

Domain

27-388aa

UniProt No.

O9H488

NCBI Accession No.

NP 056167

Alternative Names

GDP-fucose protein O-fucosyltransferase 1, FuT12, O-Fuc-T, O-FucT-1, O-FuT

PRODUCT SPECIFICATION

Molecular Weight

43.7 kDa (385aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2M 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

GDP-fucose protein O-fucosyltransferase 1, also known as POuFuT1, is a member of the glycosyltransferase O-Fuc family. Highly expressed in pancreas, kidney, lung, heart, brain, liver, placenta and skeletal muscle, POFuT1 uses manganese to catalyze the attachment of fucose to a conserved serine or threonine residue on a protein accept. POFuT1 plays an important role in Notch signaling, as Notch ligands can serve as POFuT1 substrates. Recombinant human POFuT1 protein, fused to His-tag at N-terminus, was expressed in E. coli.



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Amino acid Sequence

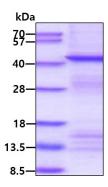
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General References

Wang Y., et al. (2001) J Biol Chem. 276:40338-40345. Luo Y., et al. (2005) J Biol Chem. 280:11289-11294.

DATA

SDS-PAGE



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

