www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

POFUT1 Human

Catalog #:ENPS-686

For research use only.

Description:POFUT1 Human Recombinant produced in E. coli is a single polypeptide chain containing 385 amino acids (27-388) and having a molecular mass of 43.7 kDa. POFUT1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:FUT12, O-Fuc-T, O-FucT-1, O-FUT, GDP-fucose protein O-fucosyltransferase 1, Peptide-O-fucosyltraferase 1,KIAA0180.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSGSWDPAG YLLYCPCMGR FGNQADHFLG SLAFAKLLNR TLAVPPWIEY QHHKPPFTNL HVSYQKYFKL EPLQAYHRVI SLEDFMEKLA PTHWPPEKRV AYCFEVAAQR SPDKKTCPMK EGNPFGPFWD QFHVSFNKSE LFTGISFSAS YREQWSQRFS PKEHPVLALP GAPAQFPVLE EHRPLQKYMV WSDEMVKTGE AQIHAHLVRP YV

Purity: Greater than 85.0% as determined by SDS-PAGE.

Formulation:
The POFUT1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea and 10% glycerol.

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
GDP-fucose protein O-fucosyltransferase 1 (POUFUT1), belongs to the glycosyltransferase O-Fuc family. POUFUT1 encodes a member of the glycosyltransferase O-Fuc family and Expressed mainly in pancreas, kidney, lung, heart, brain, liver, placenta and skeletal muscle.POUFUT1 adds O-fucose throµgh an O-glycosidic linkage to Preserve serine or threonine residues in the epidermal growth factor-like repeats of a number of cell surface and emitted proteins. POUFUT1 is involved in ligand-induced receptor signaling. Alternative splicing of this gene results in 2 transcript variants encoding different isoforms.POFUT1 participates in Notch signaling, as Notch ligands can use as POFUT1 substrates.

To place an order, please Click HERE.