32-2691: POFUT1 Recombinant Protein

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

Description

Source : Escherichia Coli. 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. 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 through 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.

Product Info

Amount :	20 μg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The POFUT1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSGSWDPAG YLLYCPCMGR FGNQADHFLG SLAFAKLLNR TLAVPPWIEY QHHKPPFTNL HVSYQKYFKL EPLQAYHRVI SLEDFMEKLA PTHWPPEKRV AYCFEVAAQR SPDKKTCPMK EGNPFGPFWD QFHVSFNKSE LFTGISFSAS YREQWSQRFS PKEHPVLALP GAPAQFPVLE EHRPLQKYMV WSDEMVKTGE AQIHAHLVRP YVGIHLRIGS DWKNACAMLK DGTAGSHFMA SPQCVGYSRS TAAPLTMTMC LPDLKEIQRA VKLWVRSLDA QSVYVATDSE SYVPELQQLF KGKVKVVSLK PEVAQVDLYI LGQADHFIGN CVSSFTAFVK RERDLQGRPS SFFGMDRPPK LRDEF.