

Protein O-Fucosyltransferase 1 Human Recombinant

Item Number	rAP-2012
Synonyms	FUT12, O-Fuc-T, O-FucT-1, O-FUT, GDP-fucose protein O-fucosyltransferase 1, Peptide-O-fucosyltransferase 1, KIAA0180.
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.
Uniprot Accession Number	Q9H488
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSWSWPAG YLLYCPCMGR FGNQADHFLG SLAFKLLNR TLAV-PPWIEY QHHKPPFTNL HVSYQKYFKL EPLQAYHRVI SLEDFMEKLA PTHWPPEKRV AYCFEVAAQR SPDKKTCMPK EGNPFGPFWD QFHVSFNKSE LFTGISFSAS YREQWSQRFS PKEHPVLALP GAPAQFPVLE EHRPLQKYMV WSDEMVKTGE AQIHAHLVRP YVGIHLRIGS DWKNACAMLK DGTAGSHFMA SPQCVGYSRS TAAPLTMTMC LPDLKEIQRA VKLWVRS LDA QSVYVATDSE SYVPEL-QQLF KGVKVVSLK PEVAQVDLYI LGQADHFIGN CVSSFTAFVK RERDLQGRPS SFFGMDRPPK
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The POFUT1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea and 10% glycerol. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**