

Product datasheet for TP518637

Pofut2 (NM_030262) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse protein O-fucosyltransferase 2 (Pofut2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218637 protein sequence Red =Cloning site Green =Tags(s)
	MAALSVVCLLLAAASWRPVASGEEFWPGQSAADILSGAASRRRYLLYDVNPPEGFNLRRDVYIRVASLL KTLLKTEEWVLVLPWGRLYHWQSPDIHQVRIPWSEFFDLPSLNKNIPVIEYEQFIAESGGPFIDQVYVL QGYAEGWKEGTWEEKVDARPCIDPLLYSQDKHEYRGWFWGYEETRGLNVSVQGSASIVAPVLLKNT SARSVMLDRAENLLHDHYGGREYWDTRRSMVFAKHLRAVGDEFRSQHLNSTDAADKMAPEEDWTMKMKVKL GSALGGPYLGVHLRRKDFIWGHREDVPSLEGAVKKIRSLMKTHQLDKVAVATDAIRKEQEELRKLPEMV RFEPTWEELELYKDGVAIIDQWICAHARFFIGTSVSTFSFRIHEEREILGLDPKTTYNRFCGDQEKACE QPTHWKIAY
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	49.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_084538
Locus ID:	80294



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UniProt ID: [Q8VHI3](#), [B2RV73](#)

RefSeq Size: 2219

Cytogenetics: 10 C1

RefSeq ORF: 1290

Synonyms: 2310011G23Rik; AI256847; BC003494; C21orf80; FUT13

Summary: Catalyzes the reaction that attaches fucose through an O-glycosidic linkage to a conserved serine or threonine residue in the consensus sequence C1-X(2,3)-S/T-C2-X(2)-G of thrombospondin type I repeats (TSRs) where C1 and C2 are the first and second cysteines of the repeat, respectively. O-fucosylates members of several protein families including the ADAMTS superfamily and the thrombosporin (TSP) and spondin families. Required for the proper secretion of ADAMTS family members such as ADAMSL1 and ADAMST13 (By similarity). O-fucosylation of TSRs is also required for restricting epithelial to mesenchymal transition (EMT), maintaining the correct patterning of mesoderm and localization of the definite endoderm.[UniProtKB/Swiss-Prot Function]