Recombinant Mouse Pofut2 Protein, Myc/DDK-tagged

Cat. No. Pofut2-4979M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein O-fucosyltransferase 2 (Pofut2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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-X2-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. 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.
Molecular Mass	49.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Pofut2 protein O-fucosyltransferase 2 [Mus musculus (house mouse)]
Official Symbol	Pofut2
Synonyms	POFUT2; protein O-fucosyltransferase 2; GDP-fucose protein O-fucosyltransferase 2; O-FucT-2; peptide-O-fucosyltransferase 2; FUT13; AI256847; BC003494; C21orf80; MGC6943; 2310011G23Rik; MGC25565
Gene ID	80294
mRNA Refseq	NM_030262
Protein Refseq	NP_084538
UniProt ID	Q8VHI3

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