Recombinant Human MFNG 293 Cell Lysate

Cat. No. MFNG-4346HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase (MFNG), transcript variant 1 is a lysate prepared from HEK293T cells transiently trans fected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. P rotein concentration was determined using a colorimetric assay. The antigen control c arries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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

Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	MFNG MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase [Homo sapiens]
Official Symbol	MFNG
Synonyms	MFNG; MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase; manic fringe (Drosophila) homolog , manic fringe homolog (Drosophila); beta-1,3-N-acetylglucosaminyltransferase manic fringe; O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase;
Gene ID	4242
mRNA Refseq	NM_001166343
Protein Refseq	NP_001159815
MIM	602577
UniProt ID	O00587
Chromosome Location	22q13.1
Pathway	Delta-Notch Signaling Pathway, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, conserved

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

	biosystem; Other types of O-glycan biosynthesis, organism-specific biosystem; Other types of O-glycan biosynthesis, conserved biosystem; Pre-NOTCH Expression and Processing, organism-specific biosystem; Pre-NOTCH Processing in Golgi, organism-specific biosystem;
Function	O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase activity; transferase activity, transferring glycosyl groups;

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