Recombinant Human MBTPS1 293 Cell Lysate

Cat. No. MBTPS1-4435HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for membrane-bound transcription factor peptidase, site 1 (MBTPS1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries 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.

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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	MBTPS1 membrane-bound transcription factor peptidase, site 1 [Homo sapiens]
Official Symbol	MBTPS1
Synonyms	MBTPS1; membrane-bound transcription factor peptidase, site 1; membrane bound transcription factor protease, site 1; membrane-bound transcription factor site-1 protease; KIAA0091; PCSK8; S1P; SKI 1; site-1 protease; endopeptidase S1P; subtilisin/kexin isozyme-1; subtilisin/kexin-isozyme 1; membrane-bound transcription factor protease, site 1; SKI-1; MGC138711; MGC138712;
Gene ID	8720
mRNA Refseq	NM_003791
Protein Refseq	NP_003782
MIM	603355
UniProt ID	Q14703
Chromosome Location	16q24
Pathway	Activation of Chaperones by ATF6-alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem;

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	Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem; Unfolded Protein Response, organism-specific biosystem;
Function	peptidase activity; serine-type endopeptidase activity;

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