

Recombinant Human MASP1 293 Cell Lysate

Cat. No. MASP1-4460HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor) (MASP1), transcript variant 2 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.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

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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 MASP1 mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor) [Homo sapiens]

Official Symbol MASP1

Synonyms 3MC1; MAP1; MASP; RaRF; CRARF; MASP3; MAp44; PRSS5; CRARF1; mannan-binding lectin serine protease 1; serine protease 5; complement factor MASP-3; Ra-reactive factor serine protease p100; mannose-binding protein-associated serine protease; mannose-binding lectin-associated serine protease 1; complement-activating component of Ra-reactive factor

Gene ID 5648

mRNA Refseq NM_139125

Protein Refseq NP_624302

MIM 600521

UniProt ID P48740

Chromosome Location 3q27-q28

Pathway Binding and Uptake of Ligands by Scavenger Receptors, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem;

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Immune System, organism-specific biosystem

Function

calcium ion binding; protein homodimerization activity; serine-type endopeptidase activity

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