

Recombinant Human MASP2 293 Cell Lysate

Cat. No. MASP2-4458HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for mannan-binding lectin serine peptidase 2 (MASP2), transcript variant 1 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

[MASP2 mannan-binding lectin serine peptidase 2 \[Homo sapiens \]](#)

Official Symbol

MASP2

Synonyms

MASP2; mannan-binding lectin serine peptidase 2; mannan binding lectin serine peptidase 1 pseudogene 1 , mannan binding lectin serine protease 1 pseudogene 1 , mannan binding lectin serine protease 2 , MASP1P1; mannan-binding lectin serine protease 2; small MBL-associated protein; MBL-associated serine protease 2; MBL-associated plasma protein of 19 kD; mannan-binding lectin serine protease 1 pseudogene 1; mannose-binding protein-associated serine protease 2; mannan-binding lectin serine peptidase 1 pseudogene 1; sMAP; MAP19; MASP-2; MASP1P1;

Gene ID

[10747](#)

mRNA Refseq

[NM_006610](#)

Protein Refseq

[NP_006601](#)

MIM

[605102](#)

UniProt ID

[O00187](#)

**Chromosome
Location**

1p36.3-p36.2

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Pathway

Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem; Immune System, organism-specific biosystem; Initial triggering of complement, organism-specific biosystem;

Function

calcium ion binding; calcium-dependent protein binding; peptidase activity; protein binding; serine-type endopeptidase activity;

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