

## Recombinant Mouse Prf1 protein, His/GST-tagged

Cat. No. Prf1-25M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Prf1(Val40-Lys355) fused with His/GST tag at N-terminal was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	40-355 a.a.
<b>Description</b>	perforin 1 (pore forming protein) played an important role in many biological functions.
<b>Form</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Molecular Mass</b>	67.2kDa
<b>AA Sequence</b>	<p>MSPILGYWKI KGLVQPTRLLEYLEEKYEE HLYERDEGDK WRNKKFELGL          EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL          DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH          PDFMLYDALD VVLYMDPMCL DAFPKLVCVK KRIEAIQID KYLKSSKYIA          WPLQGQWQATF GGGDHPPKSD GSTSGSGHHH HHHSAGLVPR GSTAIGMKET          AAKFERQHM DSPDLGTLEV LFQGPLGSEF- V WMAGEGMDVT TLRRSGSFPV          NTQRFLRPDR TCTLCKNSLM RDATQRLPVA ITHWRPHSSH CQRNVAANKV          HSTEGVAREA AANINNDWRV GLDVNPRPEA NMRASVAGSH SKVANFAAEK          TYQDQYNFNS DTVECRMYSF RLVQKPPLHL DFKKALRALP RNFNSSTEHA          YHRLISSYGT HFITAVDLGG RISVLTALRT CQLTLNGLTA DEVDGCLNVE</p>

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AQVSIQAQAS VSSEYKACEE KKKQHKMATS FHQTYRERHV EVLGGPLDST  
HDLLFGNQAT PEQFSTWTAS LPSNPGLVDY SLEPLHTLLE EQNPK

**Endotoxin** <1.0EU per 1g (determined by the LAL method)

**Purity** > 95%

**Applications** SDS-PAGE; WB; ELISA; IP.

**Storage** Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Reconstitution** Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

**Gene Name** [Prf1 perforin 1 \(pore forming protein\) \[ Mus musculus \]](#)

**Official Symbol** [Prf1](#)

**Synonyms** PRF1; perforin 1 (pore forming protein); perforin-1; P1; cytolysin; pore forming protein; lymphocyte pore-forming protein; Pfn; Pfp; Prf-1;

**Gene ID** [18646](#)

**mRNA Refseq** [NM\\_011073](#)

**Protein Refseq** [NP\\_035203](#)

**MIM**

**UniProt ID** [P10820](#)

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<b>Chromosome Location</b>	10 B4; 10 32.18 cM
<b>Pathway</b>	Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Apoptosis, organism-specific biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Graft-versus-host disease, organism-specific biosystem; Graft-versus-host disease, conserved biosystem;
<b>Function</b>	calcium ion binding; metal ion binding; wide pore channel activity; wide pore channel activity;

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