

## Recombinant Mouse MUG1 Protein (700-910 aa), His-tagged

Cat. No. MUG1-904M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse MUG1 Protein (700-910 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	700-910 aa
<b>Description</b>	A proteinase activates the inhibitor by specific proteolysis in the bait region, which, by an unknown mechanism leads to reaction at the cysteinyl-glutamyl internal thiol ester site and to a conformational change, whereby the proteinase is trapped and/or covalently bound to the inhibitor. While in the tetrameric proteinase inhibitors steric inhibition is sufficiently strong, monomeric forms need a covalent linkage between the activated glutamyl residue of the original thiol ester and a terminal amino group of a lysine or another nucleophilic group on the proteinase, for inhibition to be effective.
<b>Form</b>	Tris-based buffer, 50% glycerol
<b>Molecular Mass</b>	27.0 kDa
<b>AA Sequence</b>	TPEISWLSLRTTLSKRPEEPPRKDPSSNDPLTETIRKYFPETWVWDIVTVNSTGLAEVE MTVPDTITIEWKAGALCLSN DTGLGLSSVVPLQAFKPFVVEVSLPYSVVRGEAFMLKA TVMNYLPTSMQMSVQLEASP DFTAVPVGDDQDSYCLSANGRHTSSWLVT PKSLGN

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VNFSVSAEAQQSSEPCGSEVATVPETGRKDTVVKVLIVEPE

**Purity** > 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA with concentration instruction is sent along with the products.

## GENE INFORMATION

**Gene Name** [Mug1 murinoglobulin 1 \[ Mus musculus \]](#)

**Official Symbol** [MUG1](#)

**Synonyms** MUG1; murinoglobulin 1; murinoglobulin-1;

**Gene ID** [17836](#)

**mRNA Refseq** [NM\\_008645](#)

**Protein Refseq** [NP\\_032671](#)

**UniProt ID** [P28665](#)

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