

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

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	E.coli
ProteinLength	700-910 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	27.0 kDa
AA Sequence	TPEISWSLRRTTLSKRPEEPPRKDPSSNDPLTETIRKYFPETWVWDIVTVNSTGLAEVE MTVPDTITIEWKAGALCLSNDTGLGLSSVVPLQAFKPPFFVEVSLPYSVVRGEAFMLKA TVMNYLPTSMQMSVQLEASPDFTAVPVGDDQDSYCLSANGRHTSSWLVTPKSLGN

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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.

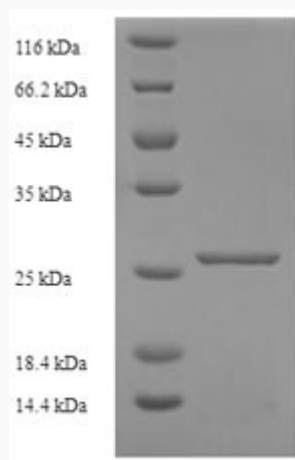
GENE INFORMATION

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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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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