

Recombinant Mouse Clu protein, His-tagged

Cat. No. Clu-5774M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Clu aa. (Ser227~Glu447 (Accession # Q06890)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ser227~Glu447
Description	The protein encoded by this gene is a secreted chaperone that can, under some stress conditions, also be found in the cell cytosol. It has been suggested to be involved in several basic biological events such as cell death, tumor progression, and neurodegenerative disorders. The encoded preproprotein undergoes proteolytic processing to generate a disulfide-linked heterodimeric mature protein comprised of alpha and beta subunits. Mice lacking the encoded protein exhibit increased severity of autoimmune myocarditis, faster progression of the acute inflammation to myocardial scarring and decreased brain injury following neonatal hypoxic-ischemic injury.
Form	Freeze-dried powder
Molecular Mass	27 kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 5.4.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Clu clusterin [<i>Mus musculus</i> (house mouse)]
Official Symbol	Clu
Synonyms	ClI; ApoJ; Sgp2; SP-40; Sgp-2; Sugp-2; A1893575; D14Ucla3; Apolipoprotein J; clustrin; complement lysis inhibitor; sulfated glycoprotein 2; testosterone repressed prostate message; testosterone repressed prostate message-2; clusterin
Gene ID	12759
mRNA Refseq	NM_013492.3

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Protein Refseq	NP_038520.2
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UniProt ID	Q06890
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