

Recombinant Mouse Clu Protein, His-tagged

Cat. No. Clu-039M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse clusterin (Clu) with C-terminal His tag, expressed in HEK293 cell.
Species	Mouse
Source	HEK293
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.
Molecular Mass	50.4 kDa
AA Sequence	EQEVSDNELQELSTQGSR YINKEIQNAVQGVKHIKTNAERKSL LNSLEEAKKK KEDALE DTRDSEMKLKAFPEVCNETMMALWEECKPCLKHTCMKFYARVCRSGSGL VGQQLEEF LNQSSPFYFWMNGDRIDSLLES DRQQSQVLDAMQDSFARASGIIDTLF QDRFFARELHDPHYFSPIGFPHKRP HFLYPKSRLV RSLMSPSHYGPSPSFHNMFQPF FEMIHQAQQAMDVQLHSPAFQFPD VDFLREGEDDRTVCKEIRRNSTGCLKMKGQC

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EKCQEILSVDCSTNNPAQANLRQELNDSLQVAERLTEQYKELLQSFQSKMLNTSSL
EQLNDQFNWVSQLANLTQGEDKYYLRVSTVTTHSSDSEVPSRVTEVVVKLFDSPI
TVVLPEEVSKDNPKFMDTVAEKALQEYRRKSRAEVDHHHHHH

Endotoxin Endotoxin level is < 0.1 ng/g of protein (< 1 EU/g)

Purity >95%, as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for at least 6 months from date of receipt under proper storage and handling conditions.

Storage Store at -80 centigrade.

Storage Buffer Lyophilized from a 0.2 M filtered solution of 20mM PB,150mM NaCl,pH7.4

Reconstitution Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name Clu clusterin [*Mus musculus* (house mouse)]

Official Symbol Clu

Synonyms Clu; clusterin; Cli; ApoJ; Sgp2; SP-40; Sgp-2; Sugg-2; A1893575; D14Ucla3; clusterin; Apolipoprotein J; clustrin; complement lysis inhibitor; sulfated glycoprotein 2; testosterone repressed prostate message; testosterone repressed prostate message-2

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Gene ID	12759
mRNA Refseq	NM_013492
Protein Refseq	NP_038520
UniProt ID	Q06890

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