

Product datasheet for **TP721223M**

Clu (NM_013492) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse clusterin (Clu)
Species:	Mouse
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Glu22-Glu448
Tag:	C-His
Predicted MW:	50.4 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH ₂ O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_038520
Locus ID:	12759
UniProt ID:	Q06890 , Q549A5
RefSeq Size:	1808
Cytogenetics:	14 34.36 cM
RefSeq ORF:	1347
Synonyms:	A; AI893575; Apoj; C; Cli; D14Ucl; D14Ucla3; Sg; Sgp; Sgp-2; Sgp2; SP-; SP-40; Sugp; Sugp-2



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Summary:

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. [provided by RefSeq, Nov 2015]