

Recombinant Rat Clusterin, T7-His

Cat. No. Clu-2679R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat ApoJ/Clusterin was constructed with an Nterminal T7-Tag fusion (16AA) and a C-terminal His-Tag fusion (9AA). This His-tagged fusion protein produced in <i>E.coli</i> has a molecular weight of 26.5 kDa containing 215 amino acid residues of the APO-J Rat and 25 additional amino acid residues (His-Tag, T7-Tag).
Species	Rat
Source	E.coli
Description	Clusterin also named Apolipoprotein J (APO-J) is a 75-80 kD disulfide-linked heterodimeric protein. Across a broad range of species clusterin shows a high degree of sequence homology ranging from 70% to 80%.
Purity	Greater than 95% (determined by SDS-PAGE and HPLC analysis).
MW	26.5 kDa.
Applications	Elisa, Western blotting.
Formulation	Lyophilized (freeze-dried), sterile powder. Lyophilized from a concentrated (0.5 mg/ml) protein solution in 0.01 M Tris (pH 7.2).
Reconstitution	Please Note: Always centrifuge product briefly before opening vial. Add 0.2 ml of deionized, sterile H ₂ O and let the lyophilized pellet dissolve completely. This solution can then be diluted into other aqueous buffers and stored at -20°C for future use.

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Storage

The lyophilized protein, though stable at room temperature for up to 3 weeks, is best stored desiccated at -20°C. Reconstituted protein should be used immediately or stored long-term in undiluted working aliquots at -20°C. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze-thaw cycles.

GENE INFORMATION
Gene Name

Clu clusterin [*Rattus norvegicus*]

Synonyms

Clu; Clusterin; CLI; APOJ; SGP2; SGP-2; SP-40; Trpm2; Trpmb; TRPM-2; TRPM2B; RATTRPM2B; CLU; TRPM2; KUB1; AAG4; MGC24903; Dimeric acidic glycoprotein; DAG protein; Testosterone repressed prostate message-2; Sulfated glycoprotein-2; Complement lysis inhibitor; SP-40; MGC24903; Apolipoprotein J

Gene ID

24854

mRNA Refseq

NM_053021

Protein Refseq

NP_444180

UniProt ID

P05371

**Chromosome
Location**

15p12

Function

protein binding

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