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*E.coli*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 Apoliprotein 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 H2O 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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