

ApoJ/Clusterin, human recombinant protein

CLI, AAG4, KUB1, SGP2, SGP-2, SP-40, TRPM2, MGC24903, Clusterin, Apolipoprotein J, ApoJ

Catalog # PBV11191r

Specification

ApoJ/Clusterin, human recombinant protein - Product info

Primary Accession

[P10909](#)

Calculated MW

51.1 kDa (23-449 aa with a C-terminal His-tag) kDa**ApoJ/Clusterin, human recombinant protein - Additional Info**

Gene ID

1191

Gene Symbol

CLU**Other Names**

CLI, AAG4, KUB1, SGP2, SGP-2, SP-40, TRPM2, MGC24903, Clusterin, Apolipoprotein J, ApoJ

Gene Source

Human

Source

E. coli

Assay&Purity

SDS-PAGE; ≥90%

Assay2&Purity2

N/A;

Recombinant

Yes**Target/Specificity**

ApoJ/Clusterin

Application Notes

Reconstitute in dH2O to a working concentration of 0.5 mg/ml and let the lyophilized pellet dissolve completely.

Format

Lyophilized

Storage

-20°C; Lyophilized from 2 mg/ml solution of ApoJ in 25 mM Na2HPO4 and 100 mM NaCl (pH 7.5).

ApoJ/Clusterin, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ApoJ/Clusterin, human recombinant protein - Images**ApoJ/Clusterin, human recombinant protein - Background**

Native Apolipoprotein J (ApoJ), also named Clusterin, is a heavily glycosylated, 75-80 kDa disulfide-linked heterodimeric protein. Despite being cloned since 1989, no genuine function has been attributed to ApoJ so far. The protein has been reportedly implicated in several diverse physiological processes such as sperm maturation, lipid transportation, complement inhibition, tissue remodeling, membrane recycling, cell-cell and cell-substratum interactions, stabilization of stressed proteins in a folding-competent state and promotion or inhibition of apoptosis. ApoJ gene is differentially regulated by cytokines, growth factors and stress-inducing agents. Clusterin is up- or down regulated on the mRNA or protein level in many pathological and clinically relevant situations including cancer, organ regeneration, infection, Alzheimer disease, retinitis pigmentosa, myocardial infarction, renal tubular damage, autoimmunity and others.

ApoJ/Clusterin, human recombinant protein - References

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Ota T., et al. Nat. Genet. 36:40-45(2004).
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Bechtel S., et al. BMC Genomics 8:399-399(2007).