

## 32-8397: Recombinant Mouse Clusterin/APOJ (C-6His)

**Gene :** Clu  
**Gene ID :** 12759  
**Uniprot ID :** Q06890

### Description

Source: Human Cells.  
MW :50.4kD.

Recombinant Mouse Clusterin is produced by our Mammalian expression system and the target gene encoding Glu22-Glu448 is expressed with a 6His tag at the C-terminus. Clusterin(CLU) is a secreted protein which belongs to the clusterin family. It is also a 75 - 80 kDa disulfide-linked heterodimeric protein associated with the clearance of cellular debris and apoptosis. Clusterin is an enigmatic glycoprotein with a nearly ubiquitous tissue distribution and an apparent involvement in biological processes ranging from mammary gland involution to neurodegeneration in Alzheimer's disease. Its major form, a heterodimer, is secreted and present in physiological fluids, but truncated forms targeted to the nucleus have also been identified. It is a widely distributed glycoprotein with a wide range of biologic properties. A prominent and defining feature of clusterin is its marked induction in such disease states as glomerulonephritis, cystic renal disease, renal tubular injury, neurodegenerative conditions, atherosclerosis, and myocardial infarction. Upregulation of clusterin mRNA and protein levels detected in diverse disease states and in in vitro systems have led to suggestions that it functions in membrane lipid recycling, in apoptotic cell death, and as a stress-induced secreted chaperone protein, amongst others.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** EQEVSDNELQELSTQGSRYINKEIQNAVQGVKHIKTLEKTNAERKSLNLSLEEAKKKKEDALETRDSEMKLKA  
FPEVCNETMMALWEECKPCLKHTCMKFYARVCRSGSLVGGQLEEFNLQSSPFYFWMNGDRIDSLLES DRQQ  
SQVLDAMQDSFARASGIIDTLFQDRFFARELHDPHYFSPIGFPHKRPHFLYPKSRLVRSLSMSPSHYGPPSFHNMF  
QPFFEMIHQAQQAMDVQLHSPAQFPDVFDFLREGEDDRTVCKEIRRNSTGCLKMKGQCEKQCEILSVDCSTN  
NPAQANLRQELNDSLQVAERLTEQYKELLQSFQSKMLNTSSLLEQLNDQFNWVSQLANLTQGEDKYLRVSTV  
TTHSSDSEVPSRVTEVVVVKLFDSDPITVVLPEEVSKDNPKFMDTVAEKALQEYRRKSRAEVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.