



# Recombinant Mouse Ataxin-3 (Atxn3)

<b>Product Code</b>	CSB-EP863445MO-B
<b>Abbreviation</b>	Atxn3
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9CVD2
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MESIFHEKQE GSLCAQHCLN NLLQGEYFSP VELSSIAHQL DEEERLRMAE GGVTSEDYRT FLQQPSGNMD DSGFFSIQVI SNALKVWGLE LILFNSPEYQ RLRIDPINER SFICNYKEHW FTVRKLGKQW FNLNSLLTGP ELISDTYLAL FLAQLQQEGY SIFVVKGDLP DCEADQLLQM IKVQQMHRPK LIGEELAHLK EQSALKADLE RVLEAADGSG IFDEDEDDLQ RALAISRQEI DMEDEEADLR RAIQLSMQGS SRSMCENSPQ TSSPDLSSSEE LRRRREAYFE KQQQQQQEVD RGPPLSYPRE RPTTSSGGRR SDQGGDAVSE EDMLRAAVTM SLETAKDNLK AERKK
<b>Source</b>	E.coli
<b>Target Names</b>	Atxn3
<b>Protein Names</b>	Recommended name: Ataxin-3 EC= 3.4.19.12 Alternative name(s): Machado-Joseph disease protein 1 homolog
<b>Expression Region</b>	1-355
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	Machado-Joseph disease, also known as spinocerebellar ataxia-3, is an autosomal dominant neurologic disorder. This protein contains (CAG) <sub>n</sub> repeats in the coding region, and the expansion of these repeats from the normal 13-36 to 68-79 is one cause of Machado-Joseph disease. There is a negative correlation between the age of onset and CAG repeat numbers. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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