Recombinant Rat Ataxin-3 (Atxn3)

Product Code	CSB-EP002443RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O35815
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MESIFHEKQE GSLCAQHCLN NLLQGEYFSP VELSSIAHQL DEEERLRMAE GGVTSEDYRT FLQQPSGNMD DSGFFSIQVI SNALKVWGLE LILFNSPEYQ RLRIDPINER SFICNYKEHW FTVRKLGKQW FNLNSLLTGP ELISDTYLAL FLAQLQQEGY SIFVVKGDLP DCEADQLLQM IKVQQMHRPK LIGEELAHLK EQSALKADLE RVLEAADGPG MFDDDEDDLQ RALAMSRQEI DMEDEEADLR RAIQLSMQGS SRGMCEDSPQ TSSTDLSSEE LRKRREAYFE KQQHQQQEAD RPGYLSYPCE RPTTSSGGLR SNQAGNAMSE EDVLRATVTV SLETAKDSLK AERKK
Source	E.coli
Target Names	Atxn3
Protein Names	Recommended name: Ataxin-3 EC= 3.4.19.12 Alternative name(s): Machado-Joseph disease protein 1 homolog
Expression Region	1-355
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	Machado-Joseph disease, also known as spinocerebellar ataxia-3, is an autosomal dominant neurologic disorder. This protein contains (CAG)n 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.
Reconstitution	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	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.