

Datasheet for ABIN935045

Ataxin 3 Protein (ATXN3) (AA 1-370)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	Ataxin 3 (ATXN3)
Protein Characteristics:	AA 1-370
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MESIFHEKQE GSLCAQHCLN NLLQGEYFSP VELSSIAHQL DEEERMMAE GGVTSEDYRT FLQQPSGNMD DSGFFSIQVI SNALKVWGLE LILFNSPEYQ RLRIDPINER SFICNYKEHW FTVRKLGKQW FNLNSLLTGP ELISDTYLAL FLAQLQQEGY SIFVVKGDLP DCEADQLLQM IRVQQMHRPK LIGEELAQLK EQRVHKTDLE RVLEANDGSG MLDEDEEDLQ RALALSRQEI DMEDEEADLR RAIQLSMQGS SRNISQDMTQ TSGTNLTSEE LRKRREAYFE KQQKQQQQQ QQQQQQQQQQ QQQQGDLSGQ SSHPCERPAT SSGALGSDLG DAMSEEDMLQ AAVTMSLETV RNDLKTEGKK
Characteristics:	Purified recombinant Human Ataxin 3 protein Expression System: E.coli Molecular weight on SDS-PAGE will appear higher.
Purity:	> 90 % pure
Endotoxin Level:	< 1.0 EU per µg of protein (determined by LAL method)

Target Details

Target:	Ataxin 3 (ATXN3)
Alternative Name:	Ataxin 3 (ATXN3 Products)
Background:	<p>Ataxin 3 is also known as Machado-Joseph disease protein 1. Machado-Joseph disease is one of several hereditary autosomal dominant neurodegenerative disorders. This protein contains trinucleotide CAG repeats in the coding region, and the expansion of these repeats from the normal 13-36 to 68-79 is the cause of Machado-Joseph disease. Ataxin 3 interacts with the major histone acetyltransferases cAMP-response-element binding protein (CREB)-binding protein, p300, and p300/CREB-binding protein-associated factor and inhibits transcription by these coactivators. Also, ataxin-3 is a proteasome-associated factor that mediates the degradation of ubiquitinated proteins. Recombinant human Ataxin-3 was expressed in <i>E. coli</i> and purified by using conventional chromatography.</p> <p>Alternative Names: Machado-Joseph disease protein 1 homolog protein, Machado Joseph disease protein, AT3 protein, JOS protein, MJD1 protein, MJD gene protein, Machado Joseph disease protein 1 protein, EC 3.4.22. protein, ATXN3 protein, , Spinocerebellar ataxia type 3 protein protein, RscA3 protein, MJD protein, Josephin protein, ATX3 protein, ATXN3 protein, SCA3 protein, Ataxin 3 protein, SCA3 gene protein</p>
Molecular Weight:	42.4 kDa (370 AA)

Application Details

Application Notes:	Ataxin protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.
Restrictions:	For Research Use only

Handling

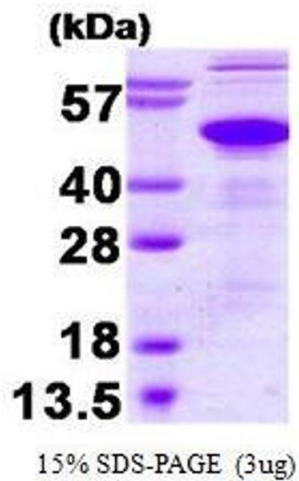
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Supplied as a liquid in 20 mM Tris-HCl buffer, pH 7.5, containing 0 mM DTT, 50 mM NaCl, and 10 % glycerol.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles.

Handling

Storage: RT/-20 °C

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.

Images



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.