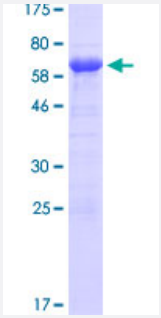
Full-Length

ATXN3 (Human) Recombinant Protein (P02)

Catalog # H00004287-P02 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ATXN3 full-length ORF (AAH33711.1, 1 a.a. - 370 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MESIFHEKQEGSLCAQHCLNNLLQGEYFSPVELSSIAHQLDEEERMRMAEGGVTSEDYRTFLQQ PSGNMDDSGFFSIQVISNALKVWGLELILFNSPEYQRLRIDPINERSFICNYKEHWFTVRKLGKQWF NLNSLLTGPELISDTYLALFLAQLQQEGYSIFVVKGDLPDCEADQLLQMIRVQQMHRPKLIGEELAQ LKEQRVHKTDLERVLEANDGSGMLDEDEEDLQRALALSRQEIDMEDEEADLRRAIQLSMQGSSR NISQDMTQTSGTNLTSEELRKRREAYFEKQQQKQQQQQQQQQQQQQQQQQQQQGDLSGQSSHP CERPATSSGALGSDLGDAMSEEDMLQAAVTMSLETVRNDLKTEGKK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	68.8
Interspecies Antigen Sequence	Mouse (83); Rat (83)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ATXN3

Entrez GeneID	4287
GeneBank Accession#	BC033711.1
Protein Accession#	AAH33711.1
Gene Name	ATXN3
Gene Alias	AT3, ATX3, JOS, MJD, MJD1, SCA3
Gene Description	ataxin 3
Omim ID	109150 607047
Gene Ontology	Hyperlink
Gene Summary	Machado-Joseph disease, also known as spinocerebellar ataxia-3, is an autosomal dominant neurologic disorder. The protein encoded by this gene 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. [provided by RefSeq
Other Designations	Machado-Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3)|Machado-Joseph disease protein 1|josephin|olivopontocerebellar ataxia 3|spinocerebellar ataxia type 3 protein

Disease

- Cerebellar Ataxia
- Chronic Disease
- Depressive Disorder
- Diabetes Mellitus
- Epilepsy
- Fragile X syndrome
- Friedreich Ataxia
- Genetic Predisposition to Disease
- Genomic Instability
- Huntington disease
- Machado-Joseph Disease
- Muscular Atrophy
- Myoclonic Epilepsies
- Myotonic dystrophy
- Neuromuscular Diseases
- Parkinson disease
- Parkinsonian Disorders
- Restless Legs Syndrome
- Schizophrenia
- Spinal muscular atrophy
- Spinocerebellar ataxia
- Spinocerebellar Ataxias
- Spinocerebellar Degenerations
- Wakefulness