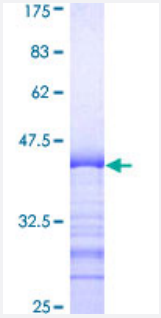
ATN1 (Human) Recombinant Protein (Q01)

Catalog # H00001822-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ATN1 partial ORF (AAH51795, 1 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MKTRQNKDSMSMRSGRKKEAPGPREELRSRGRASPGGVSTSSSDGKAEKSRQTAKKARVEEASTPKVNKQGRSEEISESESEETNAPKKTKTEQELPRPQSPSDLDSLDG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (95); Rat (96)
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 — ATN1

Entrez GeneID	1822
GeneBank Accession#	BC051795
Protein Accession#	AAH51795
Gene Name	ATN1
Gene Alias	B37, D12S755E, DRPLA, NOD
Gene Description	atrophin 1
Omim ID	125370 607462
Gene Ontology	Hyperlink
Gene Summary	Dentatorubral pallidoluysian atrophy is a rare neurodegenerative disorder characterized by cereb ellar ataxia, myoclonic epilepsy, choreoathetosis, and dementia. The disorder is related to the ex pansion of a trinucleotide repeat within this gene. The encoded protein includes a serine repeat a nd a region of alternating acidic and basic amino acids, as well as the variable glutamine repeat. Alternative splicing results in two transcripts variants that encode the same protein. [provided by R efSeq
Other Designations	atrophin-1

Disease

- Epilepsy
- Fragile X syndrome
- Friedreich Ataxia

- Genetic Predisposition to Disease
- Genomic Instability
- Huntington disease
- Muscular Atrophy
- Myoclonic Cerebellar Dyssynergia
- Myoclonic Epilepsies
- Myotonic dystrophy
- Parkinson disease
- Schizophrenia
- Spinal muscular atrophy
- Spinocerebellar ataxia
- Spinocerebellar Ataxias