

Datasheet for ABIN7552444

Atrophin 1 Protein (ATN1) (AA 1-1190) (His tag)



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Overview

Quantity:	1 mg
Target:	Atrophin 1 (ATN1)
Protein Characteristics:	AA 1-1190
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Atrophin 1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ATN1 Protein expressed in mammalian cells.
Sequence:	<p>MKTRQNKDSM SMRSGRKKEA PGPREELRSR GRASPGGVST SSSDGKAEKS RQTAKKARVE</p> <p>EASTPKVKNQ GRSEEISESE SEETNAPKKT KTEQELPRPQ SPSDLDSL DG RSLNDDGSSD</p> <p>PRDIDQDNRS TSPSIYSPGS VENDSDSSSG LSQGPAPYH PPPLFPPSPQ PPDSTPRQPE</p> <p>ASFEPHPSVT PTGYHAPMEP PTSRMFQAPP GAPPPHPQLY PGGTGGVL SG PPMGPKGGGA</p> <p>ASSVGGPNGG KQHPPPTTPI SVSSSGASGA PPTKPPTTPV GGGNLPSAPP PANFPHVTPN</p> <p>LPPPPALRPL NNASASPPGL GAQPLPGHLP SPHAMGQGMG GLPPGPEKGP TLAPSPHSLP</p> <p>PASSAPAPP MRFPYSSSSS SSAAASSSSS SSSSSASPFP ASQALPSYPH SFPPTSLSV</p> <p>SNQPPKYTQP SLPSQAVWSQ GPPPPPPYGR LLANSNAHPG PFPPSTGAQS TAHPPVSTHH</p> <p>HHHQQQQQQQ QQQQQQQQQQ QQHHGNSGPP PPGAFPHPLE GGSSHHAPHY AMSPSLGSLR</p> <p>PYPPGPAHLP PPHSQVSY SQ AGPNGPPVSS SSNSSSSTSQ GSYPCSHPS SPQGPQGAPYP</p> <p>FPPVPTVTTS SATLSTVIAT VASSPAGYKT ASPPGPPPYG KRAPSPGAYK TATPPGYKPG</p> <p>SPPSFRTGTP PGYRGTSPPA GPGTFKPGSP TVGPGPLPPA GPSGLPSLPP PPAAPASGPP</p>

Product Details

LSATQIKQEP AEEYETPESP VPPARSPSP PKVVDVPSHA SQSARFNKHL DRGFNSCARS
DLYFVPLEGS KLAKKRADLV EKVRREAEQR AREEKERERE REREKERERE KERELERSVK
LAQEGRAPVE CPSLGPVPHR PPFEPGSAVA TVPPYLGPD PALRTLSEYA RPHVMSPGNR
NHPFYVPLGA VDPGLLGYNV PALYSSDPAA REREREARER DLRDRLKPGF EVKPSELEPL
HGVPGPGLDP FPRHGGLALQ PGPPGLHPFP FHPSLGPLER ERLALAAGPA LRPDMSYAER
LAAERQHAER VAALGNDPLA RLQMLNVTPH HHQHSHIHS LHLHQQDAIH AASASVHPLI
DPLASGSHLT RIPYPAGTLP NPLPHPLHE NEVLRHQLFA APYRDLPASL SAPMSAAHQL
QAMHAQSAEL QRLALEQQW LHAHHPLHSV PLPAQEDYYS HLKESDKPL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	Atrophin 1 (ATN1)
Alternative Name:	ATN1 (ATN1 Products)

Target Details

Background:	Atrophin-1 (Dentatorubral-pallidoluysian atrophy protein),FUNCTION: Transcriptional corepressor. Recruits NR2E1 to repress transcription. Promotes vascular smooth cell (VSMC) migration and orientation (By similarity). Corepressor of MTG8 transcriptional repression. Has some intrinsic repression activity which is independent of the number of poly-Gln (polyQ) repeats. {ECO:0000250 UniProtKB:O35126, ECO:0000269 PubMed:10085113, ECO:0000269 PubMed:10973986}.
Molecular Weight:	125.4 kDa
UniProt:	P54259

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months