

Datasheet for ABIN7562269

Atrophin 1 Protein (ATN1) (AA 1-1175) (His tag)



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Overview

Quantity:	1 mg
Target:	Atrophin 1 (ATN1)
Protein Characteristics:	AA 1-1175
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Atrophin 1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Atn1 Protein expressed in mammalien cells.
Sequence:	<p>MKTRQNKDSM SMRSGRKKEA PGPREELRSR GRASPGGVST SSSDGKAEKS RQTAKKARIE EPSAPKASKQ GRSEEISESE SEETSAPKKT KTEQELPRPQ SPSDLDSLGD RSINDDGSSD PRDIDQDNRS TSPSIYSPGS VENDSDSSSG LSQGPAPYH PPPLFPPSPP PPDSTPRQPE SGFEPHPSVP PTGYHAPMEP PTSRLFQGGP PGAPPTHPQL YPGNASGGVL SGPPMGPKGG AAASSVGAPS GKGQHPPTT PIPISSSGAS GAPPKPPSA PVGGGSLPSA PPPASFPHVT PNLPPPPALR PLNNASASPP GMGAQPIPGH LPSPHAMGQG MSGLPPGPEK GPTLAPSPHP LPPASSAPG PPMRYPYSSS SSSAAASSSS SSSSASQYPA SQALPSYPHS FPPPTSMSVS NQPPKYTQPS LPSQAVWSQG PPPPPYGRLLANNNTHPGP FPPTGGQSTA HPAAPTHHHH QQPQQQHHH GNSGPPPPGA YHPLESSNS HHAHPYNMSP SLGSLRPYPP GPAHLPPPHG QVSYNQAGPN GPPVSSSNSS GSSSQASYSC SHPSSSQGPQ GASYPFPPVP PVTSSATLS TVIATVASSP AGYKTASPPG PPQYSKRAPS PGSYKTATPP GYKPGSPPSF RTGTPPGYRG</p>

Product Details

TSPPAGPGTF KPGSPTVGGP PLPPAGPSSL SSLPPPPAAP TTGPPLTATQ IKQEPAAEYE
PPESPVPPAR SPSPPPKVVD VPSHASQSAR FNKHLDRGFN SCARSDLYFV PLEGSKLAKK
RADLVEKVRR EAEQRAREEK EREREREREK EREREKEREL ERSVKLAQEG RAPVECPSLG
PVPHRPPFEP GSAVATVPPY LGPDTPALRT LSEYARPHVM SPGNRNHPFY VPLGAVDPGL
LGYNVPALYS SDPAARERER EARERDLRDR LKPGFEVKPS ELEPLHGVPG PGLDPFPRHG
GLALQPGPPG LHPFPFHPSL GPLERERLAL AAGPALRPDM SYAERLAAER QHAERVAALG
NDPLARLQML NVTPHHHQHS HIHSHLHLHQ QDAIHAASAS VHPLIDPLAS GSHLTRIPYP
AGTLPNPLLP HPLHENEVLR HQLFAAPYRD LPASLSAPMS AAHQLQAMHA QSAELQLRAL
EQQQWLHAHH PLHSVPLPAQ EDYYSHLKEE SDKPL **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.**

Characteristics:

Key Benefits:

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

Atrophin 1 (ATN1)

Alternative Name:

Atn1 ([ATN1 Products](#))

Background:

Atrophin-1 (Dentatorubral-pallidoluysian atrophy protein homolog),FUNCTION: Transcriptional

Target Details

corepressor. Corepressor of MTG8 transcriptional repression. Has some intrinsic repression activity which is independent of the number of the poly-Q repeats (By similarity). Recruits NR2E1 to repress transcription. Promotes vascular smooth cell (VSMC) migration and orientation. {ECO:0000250|UniProtKB:P54259, ECO:0000269|PubMed:16702404, ECO:0000269|PubMed:19131340}.

Molecular Weight: 123.7 kDa

UniProt: [O35126](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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