

Datasheet for ABIN7564176
SYNM Protein (AA 1-1561) (His tag)



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Overview

Quantity:	1 mg
Target:	SYNM
Protein Characteristics:	AA 1-1561
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYNM protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Synm Protein expressed in mammalian cells.
Sequence:	MLSWRLQTGS EKAELQELNA RLYDYVCRVR ELERENLLLE EELRSRLSRE DRWAEDQALY AEEARSLRQQ LDELNWSTRAL AGERDALRR ELLELQREGV EAGTARSRLD AELGAQRREL EEALGARAAL EALLGRLETE RRDLDAAHER QVRDLRARAA SLTMHFRARA TSPAAPPRL RDVHDSYALL VAESWRESVQ LYEDEVRELE QALRRGQESR LQAEDEARLC AQEADALRNQ ALELEQLRAR LEDELLRMRE EYGMQAEERQ RVIDSLEDEK EALTLAMADR LRDYQELLQV KTGLSLEVAT YRALLEGESN PEILIWTENI ENVPQEPRNT SYRYTNSVLQ RKNEKNLFPR R KTPWAAVNH SSASYSNWPG HLDSQTTTAV GSAARRGLLT SRHSSSATTS GQKPLEKTI SSRANLRPVT PTHGFLRNTD AQMKTLP HRS KVEGTGDTHA RRATESVITR ESYRGHQGHV AAGAVSSTPS NERTVILGKK LEAQATKEQE RDRSGVIRIK PEEKMFDSKE KASEERNLRW EELTKLDRDA RKRESRHLRD EAREKEALKE RSVKEREVPI SLEVSRGSRA EVSTIHLQSP GRKDVSHSGG REAETKETRF RLDTQDTASS LQSDSTTETI AESIVTTILK QFTQSPGAE EATSPDTKV TYVDRKEFPG DGKTKTEIVV ESKLTDVVDV SDEAGLDYLL SKDVKEVGLK

GKSTETMIGE MINLGLKGRE GRAKVVNVEI VEEPMSYIGG GKIDFSTPFQ VEEVDDVSPS
PKGFVEEEDG EGETHMAFSM RPHQTKQPQG TIPHVEEVTE AGDSEGEQSY FVSTPDEYPG
GHDREDDGSV YGQIHIEEES TIRYSWQDEI AQGTWRRKMR GDVGGKPKVK VLEVPALSLG
GAIGSAHLKE EASGELRAEP TVIEKEIKIP HEFHTSIKGV FSSEPRHQLV EVIGQLEETL
PERMKEELSA LTRQSQGESG SVSVDVKKVQ SAAGGSVTLM AEVNLSTVD ADQLDLEQLS
RDEAGEIERA VESVVRESLA KRSSPVPRSP DREDGEEVPA GGILFKRWAT RELYSPSGER
DDAGQVSPSS DQRVTQGPVS ATVEVTSPTG FVQSHVLEDV SQSVRHVKLG PTEMWRTEQV
TFGGPTAQVV EVSGDFSEAV SSEGASRSVR HITLGPHQSQ VSTEVIFRGS VPTWQETGDT
EKPGPVVLSV GADISGSGRM PGSERSHTEK EIRFQGPVSG TAQVGGNFAT EESVGSQTFV
RSLQLGPKEG FREEIQFIAP IPDKVWGEE DSEHTKVSLE RATSQRIDI VPQRYLASKQ
MAPQTLEFRD SEDMVMVEGS AGTIQATHNF TSDREILQNK ENTFRVISG SPPDSVGDGTG
AEVTANVSRS FRHIQIGPTE EEPSEYFVTG RPSKTFVLD GSVASPLVG GADGGSTPCR
IALGPKETSF TFQMDLSDR AIRSWTRDTG SEVEAHGVSH RGGWRIAHSR DERVASTGSG
ASPGDAHQAP GEKGTEQAGF DKTVQLQRMV DQRSVASDEK KVALLYLDNE EEEEEEGEW F

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: 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Product Details

Grade: custom-made

Target Details

Target: SYNM

Alternative Name: Synm ([SYNM Products](#))

Background: Synemin (Desmuslin),FUNCTION: Type-VI intermediate filament (IF) which plays an important cytoskeletal role within the muscle cell cytoskeleton. It forms heteromeric IFs with desmin and/or vimentin, and via its interaction with cytoskeletal proteins alpha-dystrobrevin, dystrophin, talin-1, utrophin and vinculin, is able to link these heteromeric IFs to adherens-type junctions, such as to the costameres, neuromuscular junctions, and myotendinous junctions within striated muscle cells (By similarity). {ECO:0000250, ECO:0000269|PubMed:15265691}.

Molecular Weight: 173.2 kDa

UniProt: [Q70IV5](#)

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