

Datasheet for ABIN7555332
SAMD9 Protein (AA 1-1589) (His tag)



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Overview

Quantity:	1 mg
Target:	SAMD9
Protein Characteristics:	AA 1-1589
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SAMD9 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SAMD9 Protein expressed in mammalian cells.
Sequence:	MAKQLNLPEN TDDWTKEDVN QWLESHKIDQ KHREILTEQD VNGAVLKWLK KEHLVDMGIT HGPAIQIEEL FKELRKAIE DSIQTSKMGK PSKNAPKDQT VSQKERRETS KQKQKGKENP DMANPSAMST TAKGSKSLKV ELIEDKIDYT KERQPSIDLT CVSYPFDEFS NPYRYKLDFS LQPETGPGNL IDPIHEFKAF TNTATATEED VKMKFSNEVF RFASACMNSR TNGTIHFGVK DKPHGKIVGI KVTNDTKEAL INHFNLMINK YFEDHQVQQA KKCIREPRFV EVLLPNSTLS DRFVIEVDII PQFSECQYDY FQIKMQNYNN KIWEQSKKFS LFVRDGTSSK DITKNKVDFR AFKADFKTLA ESRKAAEEKF RAKTNKKERE GPKLVKLLTG NQDLLDNSYY EQYILVTNKC HPDQTKHLDF LKEIKWFAVL EFDPE SNING VVKAYKESRV ANLHFPSVYV EQKTTPNETI STLNLYHQPS WIFCNGRLDL DSEKYKPFDP SSWQRERASD VRKLISFLTH EDIMPRGKFL VVFLLLSSVD DPRDPIETF CAFYQDLKGM ENILCICVHP HIFQGWDLL EARLIKHQDE ISSQCISALS LEEINGTILK LKSVTQSSKR LLPSIGLSTV LLKKEEDIMT ALEIICENEC EGTLLKDKN KFLEFKASKE EDFYRGGKVS WWNFYFSSSES YSSPFVKRDK YERLEAMIQN CADSSKPTST

KIIHLYHHPG CGGTTLAMHI LWELRKKFRC AVLKNKTVDF SEIGEQTSL ITYGAMNRQE
YVPVLLLVDV FEEQDNVYLL QYSIQTAIAK KYIRYEKPLV IILNCMRSQN PEKSARIPDS
IAVIQQLSPK EQRAFELKLE EIKEQHKNFE DFYSFMIMKT NFNKEYIENV VRNILKGQNI
FTKEAKLFSF LALLNSYVPD TTISLSQCEK FLGIGNKKAF WGTEKFEDKM GTYSTILIKT
EVIECGNYCG VRIIHSLIAE FSLEELKKSYS HLNKSQIMLD MLTENLFFDT GMGKSKFLQD
MHTLLLTRHR DEHEGETGNW FSPFIEALHK DEGNEAVEAV LLESIHRFNP NAFICQALAR
HFYIKKKDFG NALNWAKQAK IIEPDNSYIS DTLGQVYKSK IRWWIEENGG NGNISVDDLI
ALLDLAEHAS SAFKESQQQS EDREYEVKER LYPKSKRRYD TYNIAGYQGE IEVGLYTIQI
LQLIPFFDNK NELSKRYMVN FVSGSSDIPG DPNNEYKLAL KNYIPYLTCL KFSLKKSDFD
FDEYFVLLKP RNNIKQNEEA KTRRKVAGYF KKYVDIFCLL EESQNNTGLG SKFSEPLQVE
RCRRNLVALK ADKFSGLELEY LIKSQEDAIS TMKCIVNEYT FLLEQCTVKI QSKEKLNFI ANIILSICIQ
TSRLVKPVEK LKDQLREVLQ PIGLTYQFSE PYFLASLLFW PENQLDQHS EQMKEYAQAL
KNSFKGQYKH MHRTKQPIAY FFLGKGRLE RLVHKGKIDQ CFKKTDPINS LWQSGDVWKE
EKVQELLRL QGRAENNCLY IEYGINEKIT IPITPAFLGQ LRSGRSIEKV SFYLGFSIGG PLAYDIEIV

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: SAMD9

Alternative Name: SAMD9 ([SAMD9 Products](#))

Background: Sterile alpha motif domain-containing protein 9 (SAM domain-containing protein 9),FUNCTION: Double-stranded nucleic acid binding that acts as an antiviral factor by playing an essential role in the formation of cytoplasmic antiviral granules (PubMed:25428864, PubMed:28157624). May play a role in the inflammatory response to tissue injury and the control of extra-osseous calcification, acting as a downstream target of TNF-alpha signaling. Involved in the regulation of EGR1, in coordination with RGL2. May be involved in endosome fusion. {ECO:0000269|PubMed:16960814, ECO:0000269|PubMed:18094730, ECO:0000269|PubMed:21160498, ECO:0000269|PubMed:24029230, ECO:0000269|PubMed:25428864, ECO:0000269|PubMed:28157624}.

Molecular Weight: 184.3 kDa

UniProt: [Q5K651](#)

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