

Datasheet for ABIN7551688

SAMD1 Protein (AA 1-538) (His tag)



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Overview

Quantity:	1 mg
Target:	SAMD1
Protein Characteristics:	AA 1-538
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SAMD1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SAMD1 Protein expressed in mammalian cells.
Sequence:	<p>MAGPPALPPP ETAAAATTAA AASSSAASPH YQEWILDTID SLRSRKARPD LERICRMVRR</p> <p>RHGPEPERTR AELEKLIQQR AVLRSYKGS ISYRNAARVQ PPRRGATPPA PPRAPRGAPA</p> <p>AAAAAAPPT PAPPPPPAPV AAAAPARAPR AAAAAATAPP SPGPAQPGPR AQRAAPLAAP</p> <p>PPAPAAPPAV APPAGPRRAP PPAVAAREPP LPPPPQPPAP PQQQQPPPPQ PQPPPEGGAV</p> <p>RAGGAARPVS LREVVRYLGG SGGAGGRLTR GRVQGLLEEE AAARGRLERT RLGALALPRG</p> <p>DRPGRAPPAA SARPSRSKRG GEERVLEKEE EEDDEDEDE EDDVSEGSEV PESDRPAGAQ</p> <p>HHQLNGERGP QSAKERVKEW TPCGPHQQQD EGRGPAPGSG TRQVFSMAAM NKEGGTASVA</p> <p>TGPDSPSPVP LPPGKPALPG ADGTPFGCPP GRKEKPSDPV EWTVM DVVEY FTEAGFPEQA</p> <p>TAFQEIDG KSLLLMQRTD VLTGLSIRLG PALKIYEHHI KVLQQGHFED DDPDGFLG Sequence</p> <p>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.</p>

Product Details

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:	<p>Key Benefits:</p> <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:	SAMD1
Alternative Name:	SAMD1 (SAMD1 Products)
Background:	<p>Sterile alpha motif domain-containing protein 1 (SAM domain-containing protein 1) (Atherin),FUNCTION: Unmethylated CpG islands (CGIs)-binding protein which localizes to H3K4me3-decorated CGIs, where it acts as a transcriptional repressor (PubMed:33980486). Tethers L3MBTL3 to chromatin and interacts with the KDM1A histone demethylase complex to modulate H3K4me2 and H3K4me3 levels at CGIs (PubMed:33980486). Plays a role in atherogenesis by binding with LDL on cell surface and promoting LDL oxidation which leads to the formation of foam cell (PubMed:16159594, PubMed:34006929).</p> <p>{ECO:0000269 PubMed:16159594, ECO:0000269 PubMed:33980486, ECO:0000269 PubMed:34006929}.</p>
Molecular Weight:	56.1 kDa

Target Details

UniProt: [Q6SPF0](#)

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