

Datasheet for ABIN7560379

SMTNL1 Protein (AA 1-459) (His tag)



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Overview

Quantity:	1 mg
Target:	SMTNL1
Protein Characteristics:	AA 1-459
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMTNL1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Smtnl1 Protein expressed in mammalian cells.
Sequence:	<p>MEQTEGNSSE DGTTVSPTAG NLETPGSQGI AEEVAEGTVG TSDKEGPSDW AEHLCKAASK SGESGGSPGE ASILDELKTD LQGEARGKDE AQGDLAEEKV GKEDTTAASQ EDTGKKEETK PEPNEVREKE EAMLASEKQK VDEKETNLES KEKSDVNDKA KPEPKEDAGA EVTVNEAETE SQEEADVQDQ AKPELPEVDG KETGSDTKEL VEPESPTEEQ EQGKENESSEE RAAVIPSSPE EWPEPTDEG PSLSPDGLAP ESTGETSPSA SESSPSEVPG SPTEPQPSEK KKDRAPERRV SAPSRPRGPR AQNRKAIMDK FGGAASGPTA LFRNTKAAGA AIGGVKNMLL EWCGRAMTRNY EHVDIQNFSS SWSSGMAFCA LIHKFFPEAF DYAEIDPAKR RHNFTLAFST AEKLADCAQL LEVDDMVRLA VPDSKCVYTY IQELYRSLVQ KGLVKTKKK 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.</p>

Product Details

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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	SMTNL1
Alternative Name:	Smtnl1 (SMTNL1 Products)
Background:	<p>Smoothelin-like protein 1 (Calponin homology-associated smooth muscle protein) (CHASM),FUNCTION: Plays a role in the regulation of contractile properties of both striated and smooth muscles. When unphosphorylated, may inhibit myosin dephosphorylation.</p> <p>Phosphorylation at Ser-301 reduces this inhibitory activity. {ECO:0000269 PubMed:18310078, ECO:0000269 PubMed:20634291}.</p>
Molecular Weight:	49.5 kDa
UniProt:	Q99LM3

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.
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Application Details

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