

Datasheet for ABIN7554405

LAS1L Protein (AA 1-734) (His tag)



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Overview

Quantity:	1 mg
Target:	LAS1L
Protein Characteristics:	AA 1-734
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LAS1L protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat LAS1L Protein expressed in mammalian cells.
Sequence:	<p>MSWESGAGPG LGSQGM DLVW SAWYGKCVKG KGSLPLSAHG IVVAWLSRAE WDQVTVYLFC</p> <p>DDHKLQRYAL NRITVWRSRS GNELPLAVAS TADLIRCKLL DVTGGLGTDE LRLLYGMALV</p> <p>RFVNLISERK TKFAKVPLKC LAQEVNIPDW IVDLRHELTH KKMPHINDCR RGCYFVLDWL</p> <p>QKTYWCRQLE NSLRETWELE EFREGIEEED QEEDKNIVVD DITEQKPEPQ DDGKSTESDV</p> <p>KADGDSKGSE EVDSHCKKAL SHKELYERAR ELLVSYEEEQ FTVLEKFRYL PKAIKAWNNP</p> <p>SPRVECVLAE LKGVTCENRE AVLDAFLDDG FLVPTFEQLA ALQIEYEDGQ TEVQRGEGTD</p> <p>PKSHKNVDLN DVLVPKPFSSQ FWQPLLRLGH SQNFTQALLE RMLSELPALG ISGIRPTYIL</p> <p>RWTVELIVAN TKTGRNARRF SAGQWEARRG WRLFNCASL DWPRMVESCL GSPCWASPQL</p> <p>LRIIFKAMGQ GLPDEEQEKL LRICSIYTS GENS LVQEGS EASPIGKSPY TLDSLYWSVK</p> <p>PASSSFGSEA KAQQQEEQGS VNDVKEEKEE EKEVLDPQVE EEEENDDQEE EEEDEDEDED</p> <p>EEEDRMEVGP FSTGQESPTA ENARLLAQKR GALQGS AWQV SSEDVRWDTF PLGRMPGQTE</p>

DPAELMLENY DTMYLDDQPV LEQRLEPSTC KTDTLGLSCG VGSGNCSNSS SSNFEGLLWS
QGQLHGLKTG LQLF **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:	<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>
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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:	LAS1L
Alternative Name:	LAS1L (LAS1L Products)
Background:	<p>Ribosomal biogenesis protein LAS1L (Endoribonuclease LAS1L) (EC 3.1.-.-) (Protein LAS1 homolog),FUNCTION: Required for the synthesis of the 60S ribosomal subunit and maturation of the 28S rRNA (PubMed:20647540). Functions as a component of the Five Friends of Methylated CHTOP (5FMC) complex, the 5FMC complex is recruited to ZNF148 by methylated CHTOP, leading to desumoylation of ZNF148 and subsequent transactivation of ZNF148 target genes (PubMed:22872859). Required for the efficient pre-rRNA processing at both ends of internal transcribed spacer 2 (ITS2) (PubMed:22083961). {ECO:0000269 PubMed:20647540, ECO:0000269 PubMed:22083961, ECO:0000269 PubMed:22872859}.</p>
Molecular Weight:	83.1 kDa

Target Details

UniProt: [Q9Y4W2](#)

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