Datasheet for ABIN7564399

LARS Protein (AA 1-1178) (His tag)

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Overview

Quantity:	1 mg
Target:	LARS
Protein Characteristics:	AA 1-1178
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LARS protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Lars1 Protein expressed in mammalien cells.
Sequence:	MAGRKGTAKV DFLKEIEKEA QQKWEAEKVF EVSASRLEKQ KQSSKGKYFV TFPYPYMNGR LHLGHTFSLS KCEFAVGYQR LKGKSCLFPF GLHCTGMPIK ACADKLKREI ELYGCPPDFP EEEEEEEESS AKPGDIVVRD KAKGKKSKAA AKAGSSKYQW DIMKSLGLSD DDIVKFSEAE HWLDYFPPLA VQDLKTIGLK VDWRRSFITT DVNPYYDSFV RWQFLTLRER NKIKFGKRYT IYSPKDGQPC MDHDRQTGEG VGPQEYTLVK LKVLEPYPSK LSGLKGKNIF LVAATLRPET MFGQTNCWVR PDMKYIGFET ANGDIFICTQ RAARNMSYQG FTKHNGVVPV VKELMGEEIL GASLSAPLTC YKVVYVLPML TIKEDKGTGV VTSVPSDSPD DLAALRDLKK KQALRTKFGI RDDMVLPFEP VPVLEIPGIG NLPAVTVCDE LKIQSQNDRE KLAEAKEKLY LRGFYDGVML VDGFKGQKIQ HVKKTIQKNM IDAGDALIYM EPEKQVMSRS ADECVVALCD QWYLDYGDEN WKKQTFQCLK NMETFCEESR KNFEASLDWL QEHACSRTYG LGTRLPWDEQ WLIESLSDST IYMAFYTVAH LLQGGDLNGQ AESPLGIRPQ QMTKDVWDYV FFKDAPFPKT QIPKEKLDQL

Product Details

	KQEFEFWYPV DLRASGKDLI PNHLSYYIYN HVAMWPEQSD KWPVSVRANG HLLLNSEKMS KSTGNFLTLS QAVDKFSADG MRLALADAGD TVEDANFVEA MADAGILRLY TWVEWVKEML ASCSSLRSGP ADSFNDRVFA SEMNAGIIKT DQNYEKMMFK EALKTGFFEF QAAKDKYREL ATEGMHRELV FRFIEVQTIL LTPFCPHLCE HIWTLLGKPD SIMHASWPVA GPVDESLIRS SQYLMEVAHD LRLRLKNYMM PAKGKKTDKQ PAQRPSHCTI YVAKNYPVWQ HITLTTLRSH FEANNGKLPD NKVIASELGS LPELKKYMKK VMPFVAMIKE NMEKKGPRVL DLELEFDEQA VLMENIVYLT NSLELEHIEV KFASEAEDKV REECCPGKPL NVFRTEPGVP VSLVNPQPSS GHFSTKIDIR QGDSCESIIR RLMKTDRGIK DLSKVKLMRF DDPLLGPRRV PVLGREHSEK TLISENAVFH VDLVSKKVHL TENGLRTDIG DTMVYLVH **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:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	LARS
Alternative Name:	Lars1 (LARS Products)
Background:	Leucine--tRNA ligase, cytoplasmic (EC 6.1.1.4) (Leucyl-tRNA synthetase) (LeuRS),FUNCTION:

Target Details

	Aminoacyl-tRNA synthetase that catalyzes the specific attachment of leucine to its cognate tRNA (tRNA(Leu)). It performs tRNA aminoacylation in a two-step reaction: Leu is initially activated by ATP to form a leucyl-adenylate (Leu-AMP) intermediate, then the leucyl moiety is transferred to the acceptor 3' end of the tRNA to yield leucyl-tRNA. To improve the fidelity of catalytic reactions, it is also able to hydrolyze misactivated aminoacyl-adenylate intermediates (pre-transfer editing) and mischarged aminoacyl-tRNAs (post-transfer editing). {ECO:0000250|UniProtKB:Q9P2J5}.
Molecular Weight:	134.2 kDa
UniProt:	Q8BMJ2
Pathways:	EGFR Signaling Pathway

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

