

Datasheet for ABIN7554399
LIN54 Protein (AA 1-749) (His tag)



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Overview

Quantity:	1 mg
Target:	LIN54
Protein Characteristics:	AA 1-749
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LIN54 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat LIN54 Protein expressed in mammalian cells.
Sequence:	MEVVP AEVNS LLPEEIMDTG ITLVDDDSIE AVIVSSPIPM ETELEEIVNI NSTGDSTATP ISTEPITVYS NHTNQVAVNT TITKADSNTT VKPAFPSGLQ KLGAQTPVTI SANQIILNKV SQTSDLKLG QTLKPDGQKL ILTTLGKSGS PIVLALPHSQ LPQAQKVTTQ AQSGDAKLPP QQIKVVTIGG RPEVKPVIGV SALTPGSQLI NTTTTQPSVLQ TQQLKTVQIA KKPRTPTSGP VITKLIFAKP INSKAVTGQT TQVSPPIAG RVLSQSTPGT PSKTITISES GVIGSTLNST TQTPNKIAIS PLKSPNKAVK STVQTITVGG VSTSQFKTII PLATAPNVQQ IQVPGSKFHY VRLVTATSAS SSTQPVSNP STNTQPLQQA KPVVNTTPV RMSVPIVSAQ AVKQVVPKPI NPTSQIVTTS QPQRLIMPA TPLPQIQPNL TNLPPGTVLA PAPGTGNVGY AVLPAQYVTQ LQSSYSVIA SNSTFTGTSG IQTQARLPFN GIIPSESASR PRKPCNCTKS LCLKLYCDF ANGEFCNNCN CTNCYNNLEH ENERQKAIKA CLDRNPEAFK PKIGKGKEGE SDRRHSGGCN CKRSGCLKNY CECYEAKIMC SSICKCIGCK NFEESPERKT LMHLADAAEV RVQQQTA AKT KLSSQISDLL

Product Details

TRPTPALNSG GGKLPFTFVT KEVAEATCNC LLAQAEQADK KGKSKAAAER MILEEFGRCL
MSVINSAGKA KSDPCAMNC **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 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, Western Blot

Grade:

custom-made

Target Details

Target:

LIN54

Alternative Name:

LIN54 ([LIN54 Products](#))

Background:

Protein lin-54 homolog (CXC domain-containing protein 1),FUNCTION: Component of the DREAM complex, a multiprotein complex that can both act as a transcription activator or repressor depending on the context (PubMed:17671431, PubMed:17531812). In G0 phase, the complex binds to more than 800 promoters and is required for repression of E2F target genes (PubMed:17671431, PubMed:17531812). In S phase, the complex selectively binds to the promoters of G2/M genes whose products are required for mitosis and participates in their cell cycle dependent activation (PubMed:17671431, PubMed:17531812). In the complex, acts as a DNA-binding protein that binds the promoter of CDK1 in a sequence-specific manner (PubMed:19725879). Specifically recognizes the consensus motif 5'-TTYRAA-3' in target DNA

Target Details

(PubMed:27465258). {ECO:0000269|PubMed:17531812, ECO:0000269|PubMed:17671431, ECO:0000269|PubMed:19725879, ECO:0000269|PubMed:27465258}.

Molecular Weight: 79.5 kDa

UniProt: [Q6MZP7](#)

Pathways: [Cell Division Cycle, Mitotic G1-G1/S Phases](#)

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