

Datasheet for ABIN7554442
LRWD1 Protein (AA 1-647) (His tag)



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Overview

Quantity:	1 mg
Target:	LRWD1
Protein Characteristics:	AA 1-647
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LRWD1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat LRWD1 Protein expressed in mammalian cells.
Sequence:	MGPLSARLLM QRGRPKSDRL GKIRSLDLSG LELLSEHLDP KLLCRLTQLQ ELDLSNNHLE TLPDNLGLSH LRVLRCAANNQ LGDVTALCQF PKLEELSLEG NPFLTVNDNL KVSFLLPTLR KVNGKDASST YSQVENLNRE LTSRVTAHWE KFMATLGPEE EAEKAQADFV KSAVRDVRYG PESLSEFTQW RVRMISEELV AASRTQVQKA NSPEKPPEAG AAHKPRARLA ALKRPDDVPL SLSPSKRACA SPSAQVEGSP VAGSDGSQPA VKLEPLHFLQ CHSKNNSPQD LETQLWACAF EPAWEEGATS QTVATCGGEA VCVIDCQTGI VLHKYKAPGE EFFSVAWTAL MVVTQAGHKK RWSVLAAAGL RGLVRLRHVR AGFCCGVIRA HKKAIATLCF SPAHETHLFT ASYDKRIILW DIGVPNQDYE FQASQLLTD TTSIPLRLCP VASCPDARLL AGCEGGCCW DVRLDQPQKR RVCEVEFVFS EGSEASGRRV DGLAFVNEDI VASKGSLGT ICLWSWRQTW GGRGSQSTVA VVVLARLQWS STELAYFSLS ACPDKGIVLC GDEEGNVWLY DVSNILKQPP LLPALQAPT QILKWPQWA LGQVVTMTMV NTVVANASFT YLTALTDNSI VAIWGRM 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:

LRWD1

Alternative Name:

LRWD1 ([LRWD1 Products](#))

Background:

Leucine-rich repeat and WD repeat-containing protein 1 (Centromere protein 33) (CENP-33) (Origin recognition complex-associated protein) (ORC-associated protein) (ORCA),FUNCTION: Required for G1/S transition. Recruits and stabilizes the origin recognition complex (ORC) onto chromatin during G1 to establish pre-replication complex (preRC) and to heterochromatic sites in post-replicated cells. Binds a combination of DNA and histone methylation repressive marks on heterochromatin. Binds histone H3 and H4 trimethylation marks H3K9me3, H3K27me3 and H4K20me3 in a cooperative manner with DNA methylation. Required for silencing of major satellite repeats. May be important for ORC2, ORC3 and ORC4 stability.
{ECO:0000269|PubMed:20850016, ECO:0000269|PubMed:20932478, ECO:0000269|PubMed:21029866, ECO:0000269|PubMed:22427655,

Target Details

ECO:0000269|PubMed:22645314}.

Molecular Weight: 70.9 kDa

UniProt: [Q9UFC0](#)

Pathways: [Chromatin Binding](#)

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