

Datasheet for ABIN7549260
LYAR Protein (AA 1-379) (His tag)



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Overview

Quantity:	1 mg
Target:	LYAR
Protein Characteristics:	AA 1-379
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LYAR protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant LYAR Protein expressed in mammalian cells.
Sequence:	MVFFTCNACG ESVKKIQVEK HVSVCRNCEC LSCIDCGKDF WGDDYKNHVK CISEDQKYGG KGYEGKTHKG DIKQQAUIQK ISELIKRPNV SPKVRELLEQ ISAFDNVPRK KAKFQNWMMKN SLKVHNESIL DQVWNIFSEA SNSEPVNKEQ DQRPLHPVAN PHAEISTKVP ASKVKDAVEQ QGEVKKNKRE RKEERQKKRK REKKELKLEN HQENSRNQKP KKRKKGQEAD LEAGGEEVPE ANGSAGKRSK KKKQRKDSAS EEEARVGAGK KRRRHSEVET DSKKKKMKLP EHPEGGEPED DEAPAKGKFN WKGTIKAILK QAPDNEITIK KLRKKVLAQY YTVTDEHHRS EEELLVIFNK KISKNPTFKL LKDKVKLVK 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	LYAR
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Alternative Name:	LYAR (LYAR Products)
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Target Type:	Antibody
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Background:	Cell growth-regulating nucleolar protein,FUNCTION: Plays a role in the maintenance of the appropriate processing of 47S/45S pre-rRNA to 32S/30S pre-rRNAs and their subsequent processing to produce 18S and 28S rRNAs (PubMed:24495227). Also acts at the level of transcription regulation. Along with PRMT5, binds the gamma-globin (HBG1/HBG2) promoter and represses its expression (PubMed:25092918). In neuroblastoma cells, may also repress the expression of oxidative stress genes, including CHAC1, HMOX1, SLC7A11, ULBP1 and SNORD41 that encodes a small nucleolar RNA (PubMed:28686580). Preferentially binds to a DNA motif containing 5'-GGTTAT-3' (PubMed:25092918). Negatively regulates the antiviral innate immune response by targeting IRF3 and impairing its DNA-binding activity (PubMed:31413131). In addition, inhibits NF-kappa-B-mediated expression of pro-inflammatory cytokines (PubMed:31413131). Stimulates phagocytosis of photoreceptor outer segments by retinal pigment epithelial cells (By similarity). Prevents nucleolin/NCL self-cleavage, maintaining a normal steady-state level of NCL protein in undifferentiated embryonic stem cells (ESCs),
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Target Details

which in turn is essential for ESC self-renewal (By similarity). {ECO:0000250|UniProtKB:Q08288, ECO:0000269|PubMed:24495227, ECO:0000269|PubMed:25092918, ECO:0000269|PubMed:28686580, ECO:0000269|PubMed:31413131}.

Molecular Weight: 43.6 kDa

UniProt: [Q9NX58](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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