

Datasheet for ABIN7554336  
**LLGL1 Protein (AA 1-1064) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	LLGL1
Protein Characteristics:	AA 1-1064
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LLGL1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat LLGL1 Protein expressed in mammalien cells.
Sequence:	MMKFRFRRQG ADPQREKLKQ ELFAFNKTVE HGFPNQPSAL AFDPELRIMA IGTRSGAVKI YGAPGVEFTG LHRDAATVTQ MHFLTQGQRL LSLDDSSLH LWEIVHHNGC AHLEEALSFQ LPSRPGFDGA SAPLSLTRVT VVLLVAASDI AALGTEGSSV FFLDVTTLTL LEGQTLAPGE VLRSPDDYR CGKALGPVES LQGHLRDPTK ILIGYSRGLL VIWNQASQCV DHIFLGNQQL ESLCWGRDSS TVVSSHSDGS YAVWSVDAGS FPTLQPTVAT TPYGPFPCKA INKILWRNCE SGGHFIIFSG GMPRASYGDR HCVSVLRAET LVTLDFTSRI IDFFTVHSTR PEDEFDDPQA LAVLLEELV VLDLQTPGWP AVPAPYLAPL HSSAITCSAH VASVPAKLWA RIVSAGEQQS PQPVSSALSW PITGGRNLAQ EPSQRGLLLT GHEDGTVRFW DASGVALRPL YKLSTAGLFQ TDCEHADSLA QAAEDDWPPF RKGVCFPDYS DDPRLGVQKV ALCKYTAQMV VAGTAGQVLV LELSDVPVEQ AVSVAIIDLL QDREGFTWKG HERLSPRTGP LPWPAGFQPR VLVQCLPPAA VTAVTLHTEW SLVAFGTSHG FGLFDYQRKS PVLARCTLHP NDSLAMEGPL SRVKSLLKKS

## Product Details

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RQSFRRIRKS RVSGKKRAAN ASSKLQEANA QLAEQACPHD VEMTPVQRRI EPRSADDSLS  
GVVRCLYFAD TFLRDGAHHG PTMWAGTNSG SVFAYALEVP AAVGGGKRP EQAVEAVLGK  
EVQLMHRAPV VAIAVLDGRG RPLPEPYEAS RDLAQAPDMQ GGHAVLIASE EQFKVFTLPK  
VSAKTKFKLT AHEGCRVRKV ALATFASVAC EDYAETCLAC LTNLGDVHVF SVPGLRPQVH  
YSCIRKEDIS GIASCVFTRH GQGFYLISPS EFERFSL SAR NITEPLCSLD INWPRDATQA  
SYRIRESPLK SQANGTPSIL LAPQSLDGSP DPAHSMGPDPT PEPPEAALSP MSIDSATSAD  
TTLDTTGDVT VEDVKDFLGS SEESEKNLRN LAEDEAHACA ILIK **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.**

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### 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.

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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

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### Target:

LLGL1

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### Alternative Name:

LLGL1 ([LLGL1 Products](#))

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### Background:

Lethal(2) giant larvae protein homolog 1 (LLGL) (DLG4) (Hugl-1) (Human homolog to the D-Igl gene protein),FUNCTION: Cortical cytoskeleton protein found in a complex involved in maintaining cell polarity and epithelial integrity. Involved in the regulation of mitotic spindle

## Target Details

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orientation, proliferation, differentiation and tissue organization of neuroepithelial cells. Involved in axonogenesis through RAB10 activation thereby regulating vesicular membrane trafficking toward the axonal plasma membrane. {ECO:0000269|PubMed:15735678, ECO:0000269|PubMed:16170365}.

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Molecular Weight: 115.4 kDa

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UniProt: [Q15334](#)

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Pathways: [WNT Signaling](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months