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Datasheet for ABIN7559960

Mare/Nprl3/C16orf35 Protein (AA 1-569) (His tag)

Overview

| | |
|-------------------------------|------------------------------------------------------------|
| Quantity: | 1 mg |
| Target: | Mare/Nprl3/C16orf35 (C16orf35) |
| Protein Characteristics: | AA 1-569 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Mare/Nprl3/C16orf35 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Western Blotting (WB) |

Product Details

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| Purpose: | Custom-made recombinat Nprl3 Protein expressed in mammalien cells. |
| Sequence: | MGDNTSPISV ILVSSGSRGN KLLFRYPFQR SQEHPASQTN KPRSRVAVNN TGEHADDQDG DSRFSDVILA TILATKSEMC GQKFELKIDN VRFVGHPTLL QHALGQVSKT DPSPKREAPT MILFNVVFAL RANADPSVIN CLHNLSRRIA TVLQHEERRC QYL TREAKLI LALQDEVSAM ADANEGPQSP FQHILPKCKL ARDLKEAYDS LCTSGVVRLH INSWLEVSFC LPHKIHYAAS SLIPPEAIER SLKAIRPYHA LLLL SDEKSL LSELPIDCSP ALVRVIKTTTS AVKNLQQLAQ DADLALLQVF QLA AHLVYWG KAVIYPLCE NNVYVMSPNA SVCLYSPLAE QFSRQFPSHD LPSVLAKFSL PVSLSEFRSP LAPPAQETQL IQMVVWMLQR RLLIQLHTYV CLMASPSEEE PRLREDDVPF TARVGGRSLS TPNALSFGSP TSSDDMTLTS PSMDNSSAEL LPSGDSPLNK RMTENLLASL SEHERAAILN VPAAQNPEDL RMFARLLHYF RGRHHLEEIM YNENTRRSQL LMLFDKFRSV LVVTTTHEDPV IAVFQALLT Sequence without tag. The proposed Purification- Tag is based on experiences with the expression system, a different complexity of the |

Product Details

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:

Mare/Nprl3/C16orf35 (C16orf35)

Alternative Name:

Nprl3 ([C16orf35 Products](#))

Background:

GATOR1 complex protein NPRL3 (Nitrogen permease regulator 3-like protein),FUNCTION: As a component of the GATOR1 complex functions as an inhibitor of the amino acid-sensing branch of the mTORC1 pathway. In response to amino acid depletion, the GATOR1 complex has GTPase activating protein (GAP) activity and strongly increases GTP hydrolysis by RagA/RRAGA (or RagB/RRAGB) within heterodimeric Rag complexes, thereby turning them into their inactive GDP-bound form, releasing mTORC1 from lysosomal surface and inhibiting mTORC1 signaling. In the presence of abundant amino acids, the GATOR1 complex is negatively regulated by GATOR2, the other GATOR subcomplex, in this amino acid-sensing branch of the TORC1 pathway. {ECO:0000250|UniProtKB:Q12980}.

Molecular Weight:

63.6 kDa

Target Details

UniProt: [Q8VIJ8](#)

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