

Datasheet for ABIN7549732
NME7 Protein (AA 1-376) (His tag)



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Overview

Quantity:	1 mg
Target:	NME7
Protein Characteristics:	AA 1-376
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NME7 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat NME7 Protein expressed in mammalian cells.
Sequence:	MNHSERFVFI AEWYDPNASL LRRYELLYFP GDGSVEMHDV KNRHTFLKRT KYDNLHLEDL FIGNKVNVFS RQLVLIDYGD QYTARQLGSR KEKTLALIKP DAISKAGEII EIINKAGFTI TKLKMMMLSR KEALDFHVDH QSRPFFNELI QFITGPIIA MEILRDDAIC EWKRLGPN SGVARTDASE SIRALFGTDG IRNAAHGPDS FASAAREMEL FFPSSGGCGP ANAKFTNCT CCIVKPHAVS ELLGKILMA IRDAGFEISA MQMFNMDRVN VEEFYEVYKG VVTEYHDMVT EMYSGPCVAM EIQQNNATKT FREFCGPADP EIARHLRPGT LRAIFGKTKI QNAVHCTDLP EDGLLEVQYF FKILDN 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:

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, Western Blot
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Grade:	custom-made
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Target Details

Target:	NME7
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Alternative Name:	NME7 (NME7 Products)
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Background:	Nucleoside diphosphate kinase homolog 7 (NDK 7) (NDP kinase homolog 7) (3'-5' exonuclease NME7) (EC 3.1.-.-) (Protein kinase NME7) (EC 2.7.-.-) (nm23-H7),FUNCTION: Possesses an intrinsic kinase activity (PubMed:24807905). Displays 3'-5' exonuclease activity with a preference for single-stranded DNA (PubMed:16313181). Does not seem to have nucleoside diphosphate kinase activity (PubMed:16313181, PubMed:24807905). Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia axoneme, which is required for motile cilia beating (PubMed:36191189). Functional component of the gamma-tubulin ring complex, implicated in the regulation of the microtubule-nucleating activity of the gamma-tubulin ring complex in centrosomes, in a kinase activity-dependent manner (PubMed:24807905). {ECO:0000269 PubMed:16313181, ECO:0000269 PubMed:24807905, ECO:0000269 PubMed:36191189}.
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Molecular Weight:	42.5 kDa
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UniProt:	Q9Y5B8
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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
