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Datasheet for ABIN7553799

Emerin Protein (EMD) (AA 1-254) (His tag)

Overview

Quantity:	1 mg
Target:	Emerin (EMD)
Protein Characteristics:	AA 1-254
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Emerin protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant EMD Protein expressed in mammalian cells.
Sequence:	MDNYADLSDT ELTLLRRYN IPHGPVVGST RRLYEKKIFE YETQRRRLSP PSSSAASSYS FSDLNSTRGD ADMYDLPKKE DALLYQSKGY NDDYYEESYF TTRTYGEPES AGPSRAVRQS VTSFPDADAF HHQVHDDLL SSSEEECKDR ERPMYGRDSA YQSITHYRPV SASRSSLDL YYPTSSSTSF MSSSSSSSSW LTRRAIRPEN RAPGAGLGQD RQVPLWGQLL LFLVFVILF FIYHFMQAEE GNPF 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: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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)
Grade:	custom-made

Target Details

Target:	Emerin (EMD)
Alternative Name:	EMD (EMD Products)
Background:	Emerin,FUNCTION: Stabilizes and promotes the formation of a nuclear actin cortical network. Stimulates actin polymerization in vitro by binding and stabilizing the pointed end of growing filaments. Inhibits beta-catenin activity by preventing its accumulation in the nucleus. Acts by influencing the nuclear accumulation of beta-catenin through a CRM1-dependent export pathway. Links centrosomes to the nuclear envelope via a microtubule association. Required for proper localization of non-farnesylated prelamin-A/C. Together with NEMP1, contributes to nuclear envelope stiffness in germ cells (PubMed:32923640). EMD and BAF are cooperative cofactors of HIV-1 infection. Association of EMD with the viral DNA requires the presence of BAF and viral integrase. The association of viral DNA with chromatin requires the presence of BAF and EMD. {ECO:0000269 PubMed:15328537, ECO:0000269 PubMed:16680152, ECO:0000269 PubMed:16858403, ECO:0000269 PubMed:17785515, ECO:0000269 PubMed:19323649, ECO:0000269 PubMed:32923640}.
Molecular Weight:	29.0 kDa
UniProt:	P50402

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
