

Datasheet for ABIN7548946
LAGE3 Protein (AA 1-143) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	LAGE3
Protein Characteristics:	AA 1-143
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LAGE3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant LAGE3 Protein expressed in mammalian cells.
Sequence:	MRDADADAGG GADGGDGRGG HSCRGGVDTA AAPAGGAPPA HAPGGRDAA SAARGSRMRP HIFTLVPPFP TPLEAEIAHG SLAPDAEPHQ RVVGKDLTVS GRILVVRWKA EDCRLLRISV INFLDQLSLV VRTMQRFGPP VSR 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.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.

Product Details

- 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:	LAGE3
Alternative Name:	LAGE3 (LAGE3 Products)
Background:	EKC/KEOPS complex subunit LAGE3 (L antigen family member 3) (Protein ESO-3) (Protein ITBA2),FUNCTION: Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine (PubMed:22912744, PubMed:27903914). The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37 (PubMed:22912744, PubMed:27903914). LAGE3 functions as a dimerization module for the complex (PubMed:22912744, PubMed:27903914). {ECO:0000305 PubMed:22912744, ECO:0000305 PubMed:27903914}.
Molecular Weight:	14.8 kDa
UniProt:	Q14657

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