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Datasheet for ABIN7559162

SPATA33 Protein (AA 1-132) (His tag)

Overview

Quantity:	1 mg
Target:	SPATA33
Protein Characteristics:	AA 1-132
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPATA33 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Spata33 Protein expressed in mammalian cells.
Sequence:	MGQSKSKPRE KKEEEKSTTT LVTKSKEKVM EKEAKQSDKE SQPAESLLFA TSKHSRPSSS SEDKPETKQR SSKKRSVIPQ IIITRASNET LISYGIPDND EQRTIREHAD WGPYHRHRSP STIAAYDVHN TE 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:	SPATA33
Alternative Name:	Spata33 (SPATA33 Products)
Background:	Spermatogenesis-associated protein 33,FUNCTION: Plays an important role in sperm motility and male fertility (PubMed:34446558). Required for sperm midpiece flexibility and for the localization of sperm calcineurin to the mitochondria (PubMed:34446558). Promotes mitophagy as well as acts as an autophagy mediator in male germline cells (PubMed:33087875). Links damaged mitochondria to autophagosomes via its binding to the outer mitochondrial membrane protein VDAC2, as well as to key autophagy machinery component ATG16L1 (PubMed:33087875). {ECO:0000269 PubMed:33087875, ECO:0000269 PubMed:34446558}.
Molecular Weight:	15.0 kDa
UniProt:	Q8C624

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