

Datasheet for ABIN7558368

SPATA7 Protein (AA 1-582) (His tag)



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Overview

Quantity:	1 mg
Target:	SPATA7
Protein Characteristics:	AA 1-582
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPATA7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Spata7 Protein expressed in mammalian cells.
Sequence:	<p>MDGSRRVRAT SVLPYSPPC LFTGHLSTKS NAFCTDSSSL RLSTLQLVKN HMAIHYNKIL SAKAAVDCSI PVSVNTSIKY ADQQRREKLR KELARCEKEF KLSKSAMQTN SKMNSKFFVN SLQKPSGEPQ DQDVFIEMT RYPSFSKSLI PSSEGLHLSL PESSKMLMSG TQKHASTSPS RHSGCGHGCDDRRPSAHQFQ VALAKTPSGD LLEKHSDLFS NKQSPFTPRT LKTEAKSFLS QYRYYPKAKR RKDFSDQRME AETQTELSSF NSELGTAEKT SSKDSEVNIN QVPNYTRNGA EDKIAPLPSQ GQNLAWDSIQ DGILQQSSER ASCKLSTEFPS PDSKIYSDEE ELLYLSFMEN VTDEILKLGL FSNRFLERLF ERHIKKNKHH LEEGKMRYLL HGLKVDLGC ISEEDPAKQKH FRMLNQLHFQ KALISRENEF VSDEETVSHH ERQQYQEALD MLSAVPKDEN KMFSLPGEFL IPAHKVKHSE GVIIQQVND ETDNEASPWNE NNPSVSDSVI DQETSVDVIE GDSDFERAET SRELCLSTS LSPSGPFPSI NGGSNHGKEL STLRIMGMSI ED</p> <p>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</p>

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:	<p>Key Benefits:</p> <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.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SPATA7
Alternative Name:	Spata7 (SPATA7 Products)
Background:	<p>Spermatogenesis-associated protein 7 homolog,FUNCTION: Involved in the maintenance of both rod and cone photoreceptor cells (PubMed:25398945, PubMed:29100828, PubMed:29899041). Required for photoreceptor-specific localization of proximal connecting cilium (CC) proteins RPGR, AHI1, NPHP1, NPHP4, and RPGRIP1 at the distal CC, a photoreceptor-specific extension of the primary cilium transition zone (PubMed:25398945, PubMed:29100828, PubMed:29899041). Maintenance of protein localization at the photoreceptor-specific distal CC is essential for normal microtubule stability and to prevent photoreceptor degeneration (PubMed:25398945, PubMed:29899041).</p> <p>{ECO:0000269 PubMed:25398945, ECO:0000269 PubMed:29100828, ECO:0000269 PubMed:29899041}.</p>

Target Details

Molecular Weight: 65.7 kDa

UniProt: [Q80VP2](#)

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