

Datasheet for ABIN7558362

PRICKLE3 Protein (AA 1-624) (His tag)



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Overview

Quantity:	1 mg
Target:	PRICKLE3
Protein Characteristics:	AA 1-624
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRICKLE3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Prickle3 Protein expressed in mammalian cells.
Sequence:	<p>MFARGSRRRR SGRAPPEAD PARGQPCNSC REQCPGFLH GWRKICQHCK CPREEHAVRT</p> <p>VPVDLERIMC RLISDFQRHS ISDDDSGCAS EEWAVPPGL KPEQVYQFFS CLPEDKVPYV</p> <p>NSPGEKYRIK QLLHQLPPHD SEAQYCTALE EEEKELRAF SQQRKRENLG RATVRIFPVT</p> <p>ITGAICEECG KQIGGGDIIV FASRAGLGAC WHPQCFVCTT CQELLVDLIY FYHAGKVYCG</p> <p>RHHAELRPR CQACDEIIFS PECTEAEGRH WHMGHFCCFE CEASLGGQRY VMRQSRPHCC</p> <p>ACYEARHAEY CDGCGEHIGL DQGQMayegQ HWHASDRFCF CSRCRPLL RPFLPRRGLI</p> <p>FCSRACSLGS ETTAPGPGRR SWSAGTVTTP LTTSTASFSA TEGTSETASK GTCTKAEPAA</p> <p>GPEEPHFRLR GAPHRHSMPE LGLRSAPEPP TESP GHPAPH PDDNAFGRQS TPRVSFRDPL</p> <p>VSEGGPRRTL SAPPAQRRRP RSPPPRTPSC HHHHHHHRRRR QRHRRRGSHH HHHHPGRHGH</p> <p>HRCDLGSGSD SGSCSSSPSS PSSESSEDDG FFLGERIPLP PHLCRPRTTQ DTSTETFNSP</p> <p>AQPLVQESHV VMPRQTRDKN CIVA Sequence without tag. The proposed Purification-Tag is</p>

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:	<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, Western Blot
Grade:	custom-made

Target Details

Target:	PRICKLE3
Alternative Name:	Prickle3 (PRICKLE3 Products)
Background:	<p>Prickle planar cell polarity protein 3 (LIM domain only protein 6) (LMO-6) (Prickle-like protein 3) (Pk3) (Triple LIM domain protein 6),FUNCTION: Involved in the planar cell polarity (PCP) pathway that is essential for the polarization of epithelial cells during morphogenetic processes, including gastrulation and neurulation (By similarity). PCP is maintained by two molecular modules, the global and the core modules, PRICKLE3 being part of the core module (By similarity). Distinct complexes of the core module segregate to opposite sides of the cell, where they interact with the opposite complex in the neighboring cell at or near the adherents junctions (By similarity). Involved in the organization of the basal body (By similarity). Involved in cilia growth and positioning (By similarity). Required for proper assembly, stability, and function of mitochondrial membrane ATP synthase (mitochondrial complex V) (PubMed:32516135). {ECO:0000250 UniProtKB:A8WH69, ECO:0000269 PubMed:32516135}.</p>

Target Details

Molecular Weight: 69.7 kDa

UniProt: [Q80VL3](#)

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