

Datasheet for ABIN7561044

Profilin 4 Protein (PFN4) (AA 1-129) (His tag)



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Overview

Quantity:	1 mg
Target:	Profilin 4 (PFN4)
Protein Characteristics:	AA 1-129
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Profilin 4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Pfn4 Protein expressed in mammalian cells.
Sequence:	MSHLQNLLLD TLLGTKHVDS AALIKLQEK LCVTSPGFSV MPSDVRTL LN GFAKNPLLTR REGLYFKEKD YKCVRADDYS LYAKNENTGV VVKTNMYLV VATYTAGMYP SVCVEATEKL GEYLRKKGN 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: • 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:	Profilin 4 (PFN4)
Alternative Name:	Pfn4 (PFN4 Products)
Background:	Profilin-4 (Profilin IV),FUNCTION: Involved in male fertility (PubMed:35950913). Required for manchette development and acrosome biogenesis during spermiogenesis (PubMed:35950913). Binds in vitro to phospholipids, including phosphatidylinositol 3-phosphate (PtdIns(3)P), phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2), phosphatidylinositol 4-phosphate (PtdIns(4)P) and phosphatidic acid (PA). Contrary to other profilin family members, does not bind to actin in vitro (By similarity). {ECO:0000250 UniProtKB:Q8NHR9, ECO:0000269 PubMed:35950913}.
Molecular Weight:	14.4 kDa
UniProt:	Q9D6I3

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