

Datasheet for ABIN7553953

Fidgetin Protein (FIGN) (AA 1-759) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Fidgetin (FIGN)
Protein Characteristics:	AA 1-759
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Fidgetin protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant FIGN Protein expressed in mammalian cells.
Sequence:	<p>MISSTSVYGL KMQWTPEHAQ WPEQHFDITS TTRSPAHKVE AYRGHLQRTY QYAWANDDIS</p> <p>ALTASNLLKK YAEKYS GILE GPVDRPVLSN YSDTPSGLVN GRKNESEPWQ PSLNSEAVYP</p> <p>MNCVPDVITA SKAGVSSALP PADVSASIGS SPGVASNLTE PSYSSSTCGS HTVPSLHAGL</p> <p>PSQEYAPGYN GSYLHSTYSS QPAPALPSPH PSPLHSSGLL QPPPPPPPPP ALVPGYNGTS</p> <p>NLSSYSYPSA SYPPQTAVGS GYSPGGAPPP PSAYLPSGIP APTPLPPTTV PGYTYQGHGL</p> <p>TPIAPSALTN SSASSLKRKA FYMAGQGDM DSSYGNYSYGQ QRSTQSPMYR MPDINSISNTN</p> <p>RGNGFDRSAE TSSLAFKPTK QLMSSEQQRK FSSQSSRAL TPPSYSTAKNS LGSRSSESFG</p> <p>KYTSPVMSEH GDEHRQLLSH PMQGPGLRAA TSSNHSVDEQ LKNTDTHLID LVTNEITQG</p> <p>PPVDWNDIAG LDLVKAVIKE EVLWPVLRSD AFSGLTALPR SILLFGPRGT GKTLGRCIA</p> <p>SQLGATFFKI AGSGLVAKWL GEAKEIIHAS FLVARCRQPS VIFVSDIDML LSSQVNEEHS</p> <p>PVSRMRTEFL MQLDVTLSA EDQIVVICAT SKPEEIDESL RRYFMKRLLI PLPDSTARHQ</p> <p>IIVQLLSQHN YCLNDKEFAL LVQRTEGFSG LDVAHLCQEA VVGPLHAMPA TDL SAIMPSQ</p>

LRPVTYQDFE NAFCKIQPSI SQKELDMYVE WNKMFGCSQ **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.
- 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: Fidgetin (FIGN)

Alternative Name: FIGN ([FIGN Products](#))

Background: Fidgetin, FUNCTION: ATP-dependent microtubule severing protein. Severs microtubules along their length and depolymerizes their ends, primarily the minus-end, that may lead to the suppression of microtubule growth from and attachment to centrosomes. Microtubule severing may promote rapid reorganization of cellular microtubule arrays and the release of microtubules from the centrosome following nucleation. Microtubule release from the mitotic spindle poles may allow depolymerization of the microtubule end proximal to the spindle pole, leading to poleward microtubule flux and poleward motion of chromosome.

Target Details

	{ECO:0000269 PubMed:22672901}.
Molecular Weight:	82.1 kDa
UniProt:	Q5HY92

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