

Datasheet for ABIN7565055

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



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Overview

Quantity:	1 mg
Target:	Fidgetin (FIGN)
Protein Characteristics:	AA 1-759
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Fidgetin protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Fign Protein expressed in mammalian cells.
Sequence:	<p>MISSTSVYGL KMQWTPEHAQ WPEQHFDITS TTRSPAHKVE AYRGHLQRTY QYAWANDDIS</p> <p>ALTASNLLKK YAEKYSGILE GPVDRPVLSN YSDTPSGLVN GRKNDSEPWQ PSLNSEAVYP</p> <p>MNCVPDVITA SKAGVSSALP PVDVSASIGS SPGVASNLTE PSYSSSTCGS HTVPSLHAGL</p> <p>PSQEYAPGYN GSYLHSTYSS QATPALPSPH PSPLHSSGLL QPPPPPPPPP ALVPGYNGTS</p> <p>NLSSYSYPSA SYPPQTAVGS GYSPGGAPPP PSAYLPSGIP APTPLPPTTV PGYTYQGHGL</p> <p>TPIAPSALTN NSASSLKRKA FYMAGQGDM DSSYGNYSYGQ QRSTQSPMYR MPDINSISNSN</p> <p>RGNGFDRNAE TSSLAFKPTK QLMPSEQQRK FSSQSSRALT PPSYSTAKNS LGSRSSESFG</p> <p>KYTSPVMSEH GDDHRQLLAH PIQGPGLRAA TSSNHSVDEQ LKNTDTHLID LVTNEITQG</p> <p>PPVDWSDIAG LDLVKAVIKE EVLWPVLRSD AFSGLTALPR SILLFGPRGT GKTLLGRCIA</p> <p>SQLGATFFKI AGSGLVAKWI GEAEKIIHAS FLVARCRQPS VIFVSDIDML LSSQVSEHS</p> <p>PVSRMRTEFL MQLDVTLSA EDQIVVICAT SKPEEIDSL RRYFMKRLLI PLPDSTARHQ</p>

Product Details

IIVQLLTQHN YCLNDKEFAL LVQRTEGFSG LDVAHLCQEA AVGPLHAMPA TDLSAIMPSQ
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.**

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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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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, suppressing 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 (By similarity). {ECO:0000250}.
Molecular Weight:	82.1 kDa

Target Details

UniProt: [Q9ERZ6](#)

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