

Datasheet for ABIN7558809

## FIGNL1 Protein (AA 1-683) (His tag)



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### Overview

Quantity:	1 mg
Target:	FIGNL1
Protein Characteristics:	AA 1-683
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FIGNL1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Fignl1 Protein expressed in mammalien cells.
Sequence:	<p>METSSSMSVE TTRSVQVDEW QKNYCVVTSS ICTPKQKADA YRALLLHIQY AYANSEISQV</p> <p>FATNLFKRYT EKYSIIIDSD NVVTGLNNYA ESIFALAGSR QADSNKWQSG LSIDNVFKMS</p> <p>CVQEMMQAGK KFEESLLEPA DASVVLCKEP TAFEVPQLSV CGGSEDADIL SSSGHDTDKT</p> <p>QAIPGSSLRC SPFQSARLPK ETNTTKTCLT SSTSLGESAT AAFHMTPLFG NTEKDTQSFP</p> <p>KTSTGLNMFL SNLSCVPSGC ENPQERKAFN DSDIIDILSN PTLNKAPSKT EDRGRREDNS</p> <p>LPTFKTAKEQ LWVDQKKKGH QSQHTSKSSN GVMKKSLGAG RSRGIFGKFV PPVSNKQDGS</p> <p>EQHAKKHKSS RAGSAEPAHL TDDCLKNVEP RMVELIMNEI MDHGPPVHWD DIAGVEFAKA</p> <p>TIKEIVVWPM MRPDIFTGLR GPPKGILLFG PPGTGKTLIG KCIASQSGAT FFSISASSLT</p> <p>SKWVGEGEKM VRALFAVARC QQPAVIFIDE IDSLLSQRGD GEHESSRIK TEFLVQLDGA</p> <p>TTSSDRILV VGATNRPQEI DEAARRRLVK RLYIPLPEAS ARKQIVGNLM SKEQCCLSD</p> <p>ETDLVVQQSD GFSGADMTQL CREASLGPIR SLHAADIATI SPDQVRPIAY IDFENAFKTV</p>

RPTVSPKDLE LYENWNETFG CGK **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"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <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:	FIGNL1
Alternative Name:	Figl1 ( <a href="#">FIGNL1 Products</a> )
Background:	Fidgetin-like protein 1 (EC 3.6.4.-),FUNCTION: Involved in DNA double-strand break (DSB) repair via homologous recombination (HR). Recruited at DSB sites independently of BRCA2, RAD51 and RAD51 paralogs in a H2AX-dependent manner. May regulate osteoblast proliferation and differentiation (PubMed:17352653). May play a role in the control of male meiosis dynamic (PubMed:22110678). {ECO:0000250 UniProtKB:Q6PIW4, ECO:0000269 PubMed:17352653, ECO:0000269 PubMed:22110678}.
Molecular Weight:	74.9 kDa
UniProt:	<a href="#">Q8BPY9</a>
Pathways:	<a href="#">Microtubule Dynamics</a>

## 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.
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Restrictions:	For Research Use only
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## 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