

Datasheet for ABIN7556708

FGF13 Protein (AA 1-245) (His tag)



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Overview

Quantity:	1 mg
Target:	FGF13
Protein Characteristics:	AA 1-245
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGF13 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Fgf13 Protein expressed in mammalian cells.
Sequence:	<p>MAAAIASSLI RQKRQARERE KSNACKCVSS PSKGKTSCKD NKLNVFSRVK LFGSKKRRRR</p> <p>RPEPQLKGIV TKLYSRQGYH LQLQADGTID GTKDEDSTYT LFNLPVGLR VVAIQGVQTK</p> <p>LYLAMNSEGY LYTSEHFTPE CKFKESVFEN YYVTYSSMIY RQQQSGRGWY LGLNKEGEIM</p> <p>KGNHVKKKNP AAHFLPKPLK VAMYKEPSLH DLTEFSRSGS GTPTKSRSVS GVLNGGKSMS</p> <p>HNEST 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.</p>
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:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	FGF13
Alternative Name:	Fgf13 (FGF13 Products)
Background:	<p>Fibroblast growth factor 13 (FGF-13) (Fibroblast growth factor homologous factor 2) (FHF-2),FUNCTION: Microtubule-binding protein which directly binds tubulin and is involved in both polymerization and stabilization of microtubules (PubMed:22726441). Through its action on microtubules, may participate to the refinement of axons by negatively regulating axonal and leading processes branching (PubMed:22726441). Plays a crucial role in neuron polarization and migration in the cerebral cortex and the hippocampus (PubMed:22726441). Regulates voltage-gated sodium channel transport and function (PubMed:21817159). May also play a role in MAPK signaling (PubMed:11378392, PubMed:12244047). Required for the development of axonal initial segment-targeting inhibitory GABAergic synapses made by chandelier neurons (PubMed:30679375). {ECO:0000269 PubMed:11378392, ECO:0000269 PubMed:12244047, ECO:0000269 PubMed:21817159, ECO:0000269 PubMed:22726441, ECO:0000269 PubMed:30679375}., FUNCTION: [Isoform 1]: Seems not to be involved in neuroblast polarization and migration but regulates axon branching. {ECO:0000269 PubMed:22726441}.</p>
Molecular Weight:	27.6 kDa

Target Details

UniProt:	P70377
Pathways:	Regulation of Cell Size

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