Datasheet for ABIN7547516

FAM19A5 Protein (AA 1-132) (His tag)

3 Images

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Overview

Quantity:	1 mg
Target:	FAM19A5
Protein Characteristics:	AA 1-132
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FAM19A5 protein is labelled with His tag.

Product Details

Purpose:	Made-to-order recombinant TAFA5 Protein expressed in mammalian cells.
Sequence:	MAPSPRTGSR QDATALPSMS STFWAFMILA SLLIAYCSQL AAGTCEIVTL DRDSSQPRRT IARQTARCAC RKGQIAGTTR ARPACVDARI IKTKQWCDML PCLEGEGCDL LINRSGWTCT QPGGRIKTTT VS **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:	FAM19A5
Alternative Name:	TAFA5 (FAM19A5 Products)
Background:	Chemokine-like protein TAFA-5,FUNCTION: Acts as a chemokine-like protein by regulating cell proliferation and migration through activation of G protein-coupled receptors (GPCRs), such as S1PR2 and FPR2 (By similarity). Stimulates chemotactic migration of macrophages mediated by the MAPK3/ERK1 and AKT1 pathway (By similarity). Blocks TNFSF11/RANKL-induced osteoclast formation from macrophages by inhibiting up-regulation of osteoclast fusogenic and differentiation genes (By similarity). Stimulation of macrophage migration and inhibition of osteoclast formation is mediated via GPCR FPR2 (By similarity). Acts as an adipokine by negatively regulating vascular smooth muscle cell (VSMC) proliferation and migration in response to platelet-derived growth factor stimulation via GPCR S1PR2 and G protein GNA12/GNA13-transmitted RHOA signaling (By similarity). Inhibits injury-induced cell proliferation and neointima formation in the femoral arteries (By similarity). {ECO:0000250|UniProtKB:M0R7X9, ECO:0000250|UniProtKB:Q91WE9}.
Molecular Weight:	14.3 kDa
UniProt:	Q7Z5A7

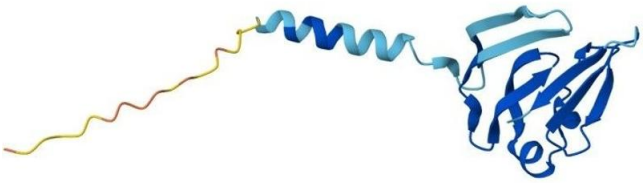
Application Details

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

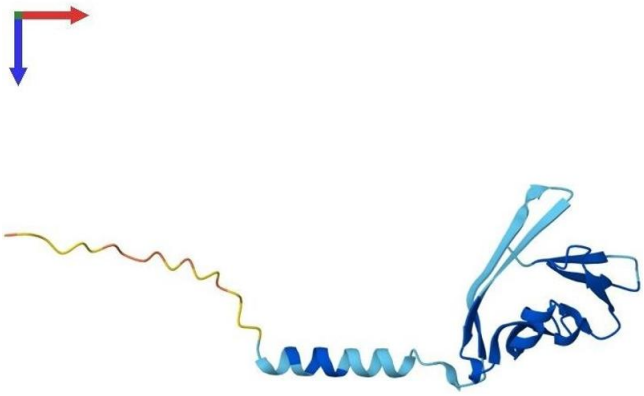
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

Images



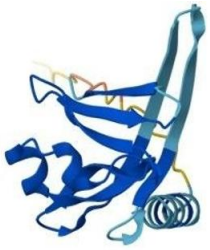
Protein Structure

Image 1. AlphaFold protein structure predicition of Human Recombinant TAFA5 Protein, UniprotID Q7Z5A7



Protein Structure

Image 2. AlphaFold protein structure predicition of Human Recombinant TAFA5 Protein, UniprotID Q7Z5A7



Protein Structure

Image 3. AlphaFold protein structure predicition of Human Recombinant TAFA5 Protein, UniprotID Q7Z5A7