

Datasheet for ABIN7546036
SGF29 Protein (AA 1-293) (His tag)



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Overview

Quantity:	1 mg
Target:	SGF29 (CCDC101)
Protein Characteristics:	AA 1-293
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SGF29 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SGF29 Protein expressed in mammalian cells.
Sequence:	MALVSADSRI AELLTELHQL IKQTQEERSR SEHNLVNIQK THERMQTENK ISPPYR TKLR GLYTTAKADA EAECNILRKA LDKIAEIKSL LEERRIAAKI AGLYNDSEPP RKTMRRGVLM TLLQQSAMTL PLWIGKPGDK PPPLCGAIPA SGDYVARPGD KVAARVKAVD GDEQWILAEV VSYSHATNKY EVDDIDEEGK ERHTLSRRRV IPLPQWKANP ETDPEALFQK EQLVLALYPQ TTCFYRALIH APPQRPQDDY SVLFEDTSYA DGYSPLNVA QRYVVACKEP KKK 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:

Product Details

- 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)
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Grade:	custom-made
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Target Details

Target:	SGF29 (CCDC101)
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Alternative Name:	SGF29 (CCDC101 Products)
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Background:	<p>SAGA-associated factor 29 (Coiled-coil domain-containing protein 101) (SAGA complex-associated factor 29),FUNCTION: Chromatin reader component of some histone acetyltransferase (HAT) SAGA-type complexes like the TFTC-HAT, ATAC or STAGA complexes (PubMed:19103755, PubMed:20850016, PubMed:26421618, PubMed:21685874, PubMed:26578293). SGF29 specifically recognizes and binds methylated 'Lys-4' of histone H3 (H3K4me), with a preference for trimethylated form (H3K4me3) (PubMed:20850016, PubMed:26421618, PubMed:21685874, PubMed:26578293). In the SAGA-type complexes, SGF29 is required to recruit complexes to H3K4me (PubMed:20850016). Involved in the response to endoplasmic reticulum (ER) stress by recruiting the SAGA complex to H3K4me, thereby promoting histone H3 acetylation and cell survival (PubMed:23894581). Also binds non-histone proteins that are methylated on Lys residues: specifically recognizes and binds CGAS monomethylated on 'Lys-506' (By similarity). {ECO:0000250 UniProtKB:Q9DA08, ECO:0000269 PubMed:19103755, ECO:0000269 PubMed:20850016, ECO:0000269 PubMed:21685874, ECO:0000269 PubMed:23894581,</p>
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Target Details

ECO:0000269|PubMed:26421618, ECO:0000269|PubMed:26578293}.

Molecular Weight: 33.2 kDa

UniProt: [Q96ES7](#)

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
