

Datasheet for ABIN7556132
ZNF207 Protein (AA 1-478) (His tag)



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Overview

Quantity:	1 mg
Target:	ZNF207
Protein Characteristics:	AA 1-478
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZNF207 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ZNF207 Protein expressed in mammalian cells.
Sequence:	<p>MGRKKKKQLK PWCWYCNRDF DDEKILIQHQ KAKHFKCHIC HKKLYTG PGL AIHCMQVHKE TIDAVPNAIP GRDIELEIY GMEGIPEKDM DERRRLEEQK TQESQKKKQQ DDSDEYDDDD SAASTSFQPQ PVQPQQGYIP PMAQGPLPPV PGAPGMPPGI PPLMPGV PPL MPGMPPVMPG MPPGMMPMGG MMPPGPGIPP LMPGMPPGMP PPVPRPGIPP MTQAQAVSAP GILNRPPAPT ATVPAPQPPV TKPLFPSAGQ MGTPVTSSST ASSNSELSA SSKALFPSTA QAQA AVQGPV GTDFKPLNST PATTTEPPKP TFPAYTQSTA STTSTTNSTA AKPAASITSK PATLTTTSAT SKLIHPDEDI SLEERRAQLP KYQRNLPRPG QAPIGNPPVG PIGGMMPPQP GIPQQQMRP PMPPHGQYGG HHQGMPGYLP GAMPPYQGGP PMVPPYQGGP PRPPMGMRPP VMSQGGRY</p> <p>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

Product Details

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.
- 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:

ZNF207

Alternative Name:

ZNF207 ([ZNF207 Products](#))

Background:

BUB3-interacting and GLEBS motif-containing protein ZNF207 (BuGZ) (hBuGZ) (Zinc finger protein 207),FUNCTION: Kinetochore- and microtubule-binding protein that plays a key role in spindle assembly (PubMed:24462186, PubMed:24462187, PubMed:26388440). ZNF207/BuGZ is mainly composed of disordered low-complexity regions and undergoes phase transition or coacervation to form temperature-dependent liquid droplets. Coacervation promotes microtubule bundling and concentrates tubulin, promoting microtubule polymerization and assembly of spindle and spindle matrix by concentrating its building blocks (PubMed:26388440). Also acts as a regulator of mitotic chromosome alignment by mediating the stability and kinetochore loading of BUB3 (PubMed:24462186, PubMed:24462187). Mechanisms by which BUB3 is protected are unclear: according to a first report, ZNF207/BuGZ may act by blocking ubiquitination and proteasomal degradation of BUB3 (PubMed:24462186). According to another report, the stabilization is independent of the proteasome

Target Details

(PubMed:24462187). {ECO:0000269|PubMed:24462186, ECO:0000269|PubMed:24462187, ECO:0000269|PubMed:26388440}.

Molecular Weight: 50.8 kDa

UniProt: [O43670](#)

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