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Datasheet for ABIN7553432

CHMP7 Protein (AA 1-453) (His tag)

Overview

Quantity:	1 mg
Target:	CHMP7
Protein Characteristics:	AA 1-453
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHMP7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CHMP7 Protein expressed in mammalian cells.
Sequence:	MWSPEREAEA PAGGDPAGLL PPEWEEDEER MSFLFSAFKR SREVNSTDWD SKMGFWAPLV LSHSRRQGVV RLRLRDLQEA FQRKGSVPLG LATVLQDLLR RGELQRESDF MASVDSSWIS WGVGVFLLKP LKWTLNMLG DNKVPAAEVL VAVELLKEKA EEVYRLYQNS PLSSHPVVAL SELSTLCANS CPDERTFYLV LLQLQKEKRV TVLEQNGEKI VKFARGPRAK VSPVNDVDVG VYQLMQSEQL LSRKVESLSQ EAERCKEEAR RACRAGKKQL ALRSLKAKQR TEKRIEALHA KLDTVQGILD RIYASQTDQM VFNAYQAGVG ALKLSMKDVT VEKAESLVDQ IQELCDTQDE VSQTLAGGVT NGLDFDSEEL EKELDILLQD TTKEPLDLPD NPRNRHFTNS VPNPRISDAE LEAELEKLSL SEGGLVPSSK SPKRQLEPTL KPL 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

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:

CHMP7

Alternative Name:

CHMP7 ([CHMP7 Products](#))

Background:

Charged multivesicular body protein 7 (Chromatin-modifying protein 7),FUNCTION: ESCRT-III-like protein required to recruit the ESCRT-III complex to the nuclear envelope (NE) during late anaphase (PubMed:26040712). Together with SPAST, the ESCRT-III complex promotes NE sealing and mitotic spindle disassembly during late anaphase (PubMed:28242692, PubMed:26040712). Recruited to the reforming NE during anaphase by LEMD2 (PubMed:28242692). Plays a role in the endosomal sorting pathway (PubMed:16856878). {ECO:0000269|PubMed:16856878, ECO:0000269|PubMed:26040712, ECO:0000269|PubMed:28242692}.

Molecular Weight:

50.9 kDa

UniProt:

[Q8WUX9](#)

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
