

Datasheet for ABIN7553277
CEMP1 Protein (AA 1-247) (His tag)



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Overview

Quantity:	1 mg
Target:	CEMP1
Protein Characteristics:	AA 1-247
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEMP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CEMP1 Protein expressed in mammalian cells.
Sequence:	MGTSSTDSQQ AGHRRRCSTSN TSAENLTCLS LPGSPGKTAP LPGPAQAGAG QPLPKGCAAV KAEVGIPAPH TSQEVRIHIR RLLSWAAPGA CGLRSTPCAL PQALPQARPC PGRWFFPGCS LPTGGAQTIL SLWTWRHFLN WALQREENS GRARRVPPVP RTAPVSKGEG SHPPQNSNGE KVKTITPDVG LHQSLTSDPT VAVLRAKRAP EAHPPRSCSG SLTARVCHMG VCQGQGDTE GRMTLMG 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: <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:	CEMP1
Alternative Name:	CEMP1 (CEMP1 Products)
Background:	Cementoblastoma-derived protein 1 (Cementum protein 1) (Cementum protein 23) (CP-23),FUNCTION: May play a role in development of the periodontium which surrounds and supports the teeth by promoting the differentiation of multi-potent cells from the periodontal ligament into cementoblasts to form the cementum (PubMed:21929512, PubMed:17509525, PubMed:21465469). Binds hydroxyapatite and may promote the biomineralization of the cementum (PubMed:19393626). Also promotes cell proliferation (PubMed:17509525, PubMed:21929512, PubMed:26011628). {ECO:0000269 PubMed:17509525, ECO:0000269 PubMed:19393626, ECO:0000269 PubMed:21465469, ECO:0000269 PubMed:21929512, ECO:0000269 PubMed:26011628}.
Molecular Weight:	26.0 kDa
UniProt:	Q6PRD7

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

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
