

Datasheet for ABIN7553379

CITED1 Protein (AA 1-193) (His tag)



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Overview

Quantity:	1 mg
Target:	CITED1
Protein Characteristics:	AA 1-193
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CITED1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CITED1 Protein expressed in mammalian cells.
Sequence:	<p>MPTTSRPALD VKGGTSPAKE DANQEMSSVA YSNLAVKDRK AVAILHYPGV ASNGTKASGA PTSSSGSPIG SPTTTPPTKP PSFNLHPAPH LLASMHLQKL NSQYQGMAAA TPGQPGEAGP LQNWDFGAQA GGAESLPSA GAQSPAIDS DPVDEEVLMs LVVELGLDRA NELPELWLGG NEFDFTADFP SSC 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 isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • 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

Product Details

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:	CITED1
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Alternative Name:	CITED1 (CITED1 Products)
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Background:	<p>Cbp/p300-interacting transactivator 1 (Melanocyte-specific protein 1),FUNCTION:</p> <p>Transcriptional coactivator of the p300/CBP-mediated transcription complex. Enhances SMAD-mediated transcription by strengthening the functional link between the DNA-binding SMAD transcription factors and the p300/CBP transcription coactivator complex. Stimulates estrogen-dependent transactivation activity mediated by estrogen receptors signaling, stabilizes the interaction of estrogen receptor ESR1 and histone acetyltransferase EP300. Positively regulates TGF-beta signaling through its association with the SMAD/p300/CBP-mediated transcriptional coactivator complex. Induces transcription from estrogen-responsive promoters and protection against cell death. Potentiates EGR2-mediated transcriptional activation activity from the ERBB2 promoter. Acts as an inhibitor of osteoblastic mineralization through a cAMP-dependent parathyroid hormone receptor signaling. May play a role in pigmentation of melanocytes.</p> <p>Associates with chromatin to the estrogen-responsive TGF-alpha promoter region in a estrogen-dependent manner. {ECO:0000269 PubMed:10722728, ECO:0000269 PubMed:11581164, ECO:0000269 PubMed:21172805}.</p>
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Molecular Weight:	19.9 kDa
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UniProt:	Q99966
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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