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Datasheet for ABIN7562379

CITED2 Protein (AA 1-269) (His tag)

Overview

Quantity:	1 mg
Target:	CITED2
Protein Characteristics:	AA 1-269
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CITED2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cited2 Protein expressed in mammalian cells.
Sequence:	MADHMMAMNH GRFPDGTNGL HHHPAHRMGM GQFSPHHHQ QQPQHAFNA LMGEHIHYGA GNMNATSGIR HAMGPGTVNG GHPPSALAPA ARFNNSQFMG PPVASQGGSL PASMQLQKLN NQYFNHHPYP HNHYPDLHP TAGHQMNGTN QHFRDCNPKH SGGSTPGGA GSGTPGGSG GTSGGAGGSS AGGSGGGSTM PASVAHVPAA MLPPNVIDTD FIDEEVLMSL VIEMGLDRIK ELPELWLGQN EFDGMTDFVC KQQPSRVSC 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:	CITED2
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Alternative Name:	Cited2 (CITED2 Products)
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Background:	<p>Cbp/p300-interacting transactivator 2 (MSG-related protein 1) (MRG-1) (P35srj),FUNCTION: Transcriptional coactivator of the p300/CBP-mediated transcription complex. Acts as a bridge, linking TFAP2 transcription factors and the p300/CBP transcriptional coactivator complex in order to stimulate TFAP2-mediated transcriptional activation. Positively regulates TGF-beta signaling through its association with the SMAD/p300/CBP-mediated transcriptional coactivator complex. Stimulates the peroxisome proliferator-activated receptors PPARA transcriptional activity. Enhances estrogen-dependent transactivation mediated by estrogen receptors. Acts also as a transcriptional corepressor, interferes with the binding of the transcription factors HIF1A or STAT2 and the p300/CBP transcriptional coactivator complex. Participates in sex determination and early gonad development by stimulating transcription activation of SRY. Plays a role in controlling left-right patterning during embryogenesis, potentiates transcriptional activation of NODAL-mediated gene transcription in the left lateral plate mesoderm (LPM). Plays an essential role in differentiation of the adrenal cortex from the adrenogonadal primordium (AGP), stimulates WT1-mediated transcription activation thereby</p>
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Target Details

up-regulating the nuclear hormone receptor NR5A1 promoter activity. Associates with chromatin to the PITX2 P1 promoter region. {ECO:0000269|PubMed:10593900, ECO:0000269|PubMed:15475956, ECO:0000269|PubMed:15750185, ECO:0000269|PubMed:16619037, ECO:0000269|PubMed:17537799, ECO:0000269|PubMed:19457926, ECO:0000269|PubMed:21224256}.

Molecular Weight: 28.3 kDa

UniProt: [O35740](#)

Pathways: [Tube Formation](#)

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