

Recombinant human CITED2 protein

Catalog Number: ATGP0326

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-270aa

UniProt No.

Q99967

NCBI Accession No.

NP_006070

Alternative Names

Cbp/p300-interacting transactivator 2, MRG1, P35SRJ, CITED2, Cbp/p300-interacting transactivator 2 Cbp/p300 interacting transactivator 2, Cbp/p300 interacting transactivator with Glu/Asp rich carboxy terminal domain 2, MRG 1, MSG related protein 1

PRODUCT SPECIFICATION

Molecular Weight

29.5 kDa (278aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 50% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CITED2 is an important transcriptional cofactor involved in multiple organ development. It is a cAMP-responsive element-binding protein (CBP) /p300 interacting transcriptional modulator and a proposed negative regulator for

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hypoxia-inducible factor (HIF) -1 α through its competitive binding with HIF-1 α to CBP/p300. CITED2 is necessary for mouse fetal liver hematopoiesis and is required for the proper formation of the hyaloid vasculature and for lens morphogenesis. Recombinant CITED2 protein was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

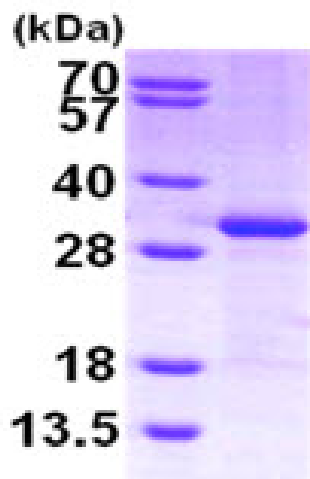
MADHMMAMNH GRFPDGTNGL HHHPAHRMGM GQFPSHHHQ QQQPQHAFNA LMGEHIHYGA GNMNATSGIR
HAMGPGTVNG GHPPSALAPA ARFNNSQFMG PPVASQGGSL PASMQLQKLN NQYFNHHPYP HNHYPDLHP
AAGHQMNGTN QHFRDCNPKH SGGSTPGGS GGSSTPGGSG SSSGGGAGSS NSGGGSGSGN MPASVAHVPA
AMLPPNVIDT DFIDEVLMS LVIEMGLDRI KELPELWLGQ NEFDFTDFV CKQQPSRVSC LEHHHHHH

General References

Bijl J., et al. (2006) *Blood*. 108(1):116-22.
Chen Y., et al. (2008) *Development*. 135(17):2939-48.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3 μ g)