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

hypoxia-inducible factor (HIF) -1alpha through its competitive binding with HIF-1alpha 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

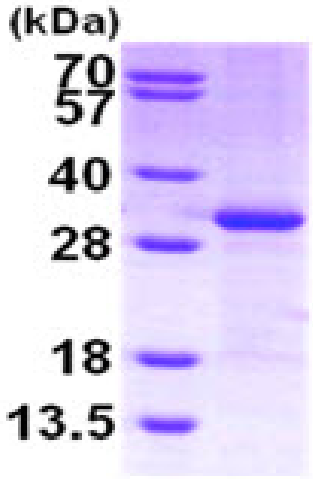
MADHMMAMNH GRFPDGTNGL HHHPAHRMGM GQFPSPHHHQ QQQPQHAFNA LMGEHIHYGA GNMNATSGIR HAMGPGTVNG GHPPSALAPA ARFNNSQFMG PPVASQGGSL PASMQLQKLN NQYFNHHPYP HNHYMPDLHP AAGHQMNGTN QHFRDCNPKH SGGSSTPGGS GGSSTPGGSG SSSGGGAGSS NSGGGSGSGN MPASVAHVPA AMLPPNVIDT DFIDEEVLMS LVIEMGLDRI KELPELWLGQ NEFDFMTDFV CKQQPSRVSC LEHHHHHH

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



15% SDS-PAGE (3ug)

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