

Recombinant Human CITED2, His-tagged

Cat. No. CITED2-1353H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human CITED2 produced in *E. Coli* is a single, non-glycosylated, polypeptide chain containing 278 amino acids (1-270 a.a.) and having a molecular mass of 29.5 kDa. The CITED2 is fused to 8 amino acids His Tag at C-terminus and purified by proprietary chromatographic techniques.

Species Human

Source E.coli

ProteinLength 1-270 a.a.

Description CITED2 is a significant transcriptional cofactor that takes part in multiple organ development. CITED2 is a cAMP-responsive element-binding protein (CBP)/p300 interacting transcriptional modulator and a negative regulator for HIF1A through its competitive binding with HIF1A to CBP/p300. CITED2 is essential for mouse fetal liver hematopoiesis and is necessary for the appropriate formation of the hyaloid vasculature and for lens morphogenesis. CITED2 is a coactivator of HNF4alpha and necessary for liver development. CITED2 is a coactivator of PPAR-alpha and both participate in signaling cascades of hypoxic response and angiogenesis.

Amino Acid Sequence MADHMMAMNH GRFPDGTNGL HHPAHRMGM GQFSPHHHQ QQQPQHAFNA
LMGEHIHYGA GNMNATSGIR HAMGPGTVNG GHPPSALAPA ARFNNSQFMG
PPVASQGGSL PASMQLQKLN NQYFNHHPYP HNHYPDLHP AAGHQMNMTN
QHFRDCNPKH SGGSTPGGS GGSSTPGGSG SSSGGGAGSS NSGGGSGSGN

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MPASVAHVPA AMLPPNVIDT DFIDEEVLMs LVIEMGLDRI KELPELWLGQ
NEFDfMTDFV CKQQPSRVSC LEHHHHHH.

Physical Appearance Sterile Filtered colorless solution.

Formulation The CITED2 solution contains 20mM Tris pH-8, 1mM DTT, 0.1M NaCl & 40% glycerol.

Purity Greater than 90.0% as determined by SDS-PAGE.

Stability CITED2 although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name [CITED2 Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2 \[Homo sapiens \]](#)

Synonyms CITED2; Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2; MRG1; P35SRJ; MSG-related protein 1; P35srj; Cbp/p300-interacting transactivator 2

Gene ID [10370](#)

mRNA Refseq [NM_006079](#)

Protein Refseq [NP_006070](#)

MIM [602937](#)

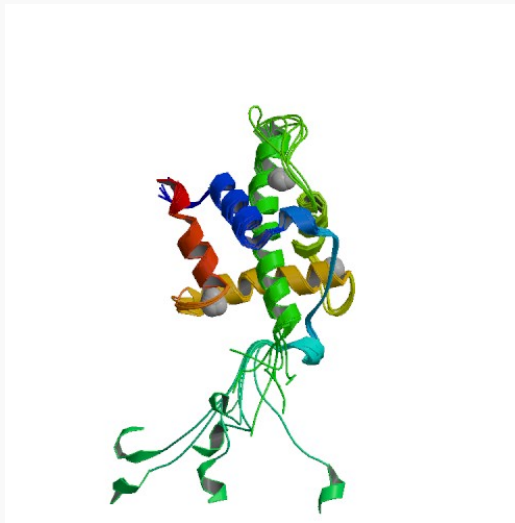
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UniProt ID	Q99967
Chromosome Location	6q23.3
Function	protein binding; transcription coactivator activity; transcription factor activity

PDB rendering based on 1r8u.



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