

## CITED2 Human

**Description:** CITED2 Human Recombinant 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 an 8 amino acid His Tag at C-terminus and purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-708

For research use only.

**Synonyms:** MRG1, P35SRJ, CIT-ED2, Cbp/p300-interacting transactivator 2, MSG-related protein 1, MRG-1, CITED2.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MADHMMAMNH GRFPDGTNGL HHHPAHRMGM GQFSPHHHQ  
QQQPQHAFNA LMGEHIHYGA GNMNATSGIR HAMGPGTVNG GHPPSALAPA  
ARFNSQFMGPPVASQGGSL PASMQLQLN NQYFNHHPYP HNHYPDLHP AAGHQMNNGTN  
QHFRDCNPKH SGGSTPGGS GGSSTPGGS SSSGGGAGSS NSGGGSGSGN  
MPASVAHVPA AMLPPNVIDT DFIDEVLMS LVI

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

### Formulation:

The CITED2 solution contains 20mM Tris pH-8, 1mM DTT, 0.1M NaCl & 50% glycerol.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

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 HNF4α and necessary for liver development. CITED2 is a coactivator of PPAR-α and both participate in signaling cascades of hypoxic response and angiogenesis.

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