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**Product Data Sheet**


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Product Name: CITED2 Human

Cat. No.: GP23164

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	MRG1; P35SRJ; CIT-ED2; Cbp/p300-interacting transactivator 2; MSG-related protein 1; MRG-1; CITED2.		
Amino Acid Sequence	MADHMMAMNH GRFPDGTNGL HHPAHRMGM GQFSPHHHQ QQQPQHAFNA LMGEHIHYGA GNMNATSGIR HAMGPGTVNG GHPPSALAPA ARFNNSQFMGPPVASQGGSL PASMQLQKLN NQYFNHHPYP HNHYPDLHP AAGHQMNGTN QHFRDCNPKH SGGSSTPGGS GGSSTPGGSG SSSGGGAGSS NSGGGSGSGN MPASVAHVPA AMLPPNVIDT DFIDEVLMS LVIEMGLDRI KELPELWLGQ NEFDFMTDFV CKQQPSRVSC LEHHHHHH.		
Formulation	The CITED2 solution contains 20mM Tris pH-8, 1mM DTT ,0.1M NaCl & 50% glycerol.		

**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 HNF4alpha and necessary for liver development. CITED2 is a coactivator of PPAR-alpha and both participate in signaling cascades of hypoxic response and angiogenesis.

**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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

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.

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