

# Recombinant Human CITED1

**Cat. No.** CITED1-1276H    **Lot. No.** (See product label)

## SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Recombinant Human CITED1 full length protein expressed in <i>E. Coli</i> shows a 47 kDa band on SDS-PAGE. The CITED1 is purified by proprietary chromatographic techniques.                                                                                                                                                    |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>              | E.coli                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>         | CITED1 (Cbp/p300-Interacting Transactivator 1) / Melanocyte-specific protein 1 is highly expressed in most of the papillary thyroid carcinoma. It is not expressed in normal tissues except normal breast epithelium. Study shows that this protein functions as a selective coactivator for estrogen dependent transcription. |
| <b>Physical Appearance</b> | Sterile Filtered clear solution.                                                                                                                                                                                                                                                                                               |
| <b>Formulation</b>         | CITED1 at 0.1mg/ml in 50mM Tris-acetate, pH7.5, 20% glycerol and 1mM EDTA.                                                                                                                                                                                                                                                     |
| <b>Stability</b>           | Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.                                                                                                                                                                             |
| <b>Purity</b>              | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>        | • ELISA • Inhibition Assays • Western Blotting.                                                                                                                                                                                                                                                                                |
| <b>Full Length</b>         | Full L.                                                                                                                                                                                                                                                                                                                        |

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## GENE INFORMATION

|                            |                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | CITED1 Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1 [ Homo sapiens ]      |
| <b>Synonyms</b>            | CITED1; Cbp/p300-interacting transactivator 1, Melanocyte-specific protein 1; MSG1; melanocyte-specific gene 1 |
| <b>Gene ID</b>             | 4435                                                                                                           |
| <b>mRNA Refseq</b>         | NM_001144885                                                                                                   |
| <b>Protein Refseq</b>      | NP_001138357                                                                                                   |
| <b>MIM</b>                 | 300149                                                                                                         |
| <b>UniProt ID</b>          | Q99966                                                                                                         |
| <b>Chromosome Location</b> | Xq13.1                                                                                                         |
| <b>Function</b>            | co-SMAD binding; transcription factor activity                                                                 |

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