

## Recombinant Human CREB1, His-tagged

Cat. No. CREB1-183H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                     |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human CREB1 protein(NP_001307722.1)(Ile102~Asp341), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                              |
| Species          | Human                                                                                                                                                                                                                                                                                                                               |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                              |
| ProteinLength    | Ile102~Asp341                                                                                                                                                                                                                                                                                                                       |
| Form             | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                 |
| Molecular Mass   | 36kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                                                                                |
| Endotoxin        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                                                                                        |
| Purity           | > 97%                                                                                                                                                                                                                                                                                                                               |
| Applications     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                          |
| Stability        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                |                                                                                                            |
|----------------|------------------------------------------------------------------------------------------------------------|
| <b>Storage</b> | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
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|-----------------------|---------------------------------------------------------------------------------------------------|
| <b>Reconstitution</b> | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex. |
|-----------------------|---------------------------------------------------------------------------------------------------|

## GENE INFORMATION

|                  |                                                                          |
|------------------|--------------------------------------------------------------------------|
| <b>Gene Name</b> | CREB1 cAMP responsive element binding protein 1 [ Homo sapiens (human) ] |
|------------------|--------------------------------------------------------------------------|

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | CREB1 |
|------------------------|-------|

|                 |              |
|-----------------|--------------|
| <b>Synonyms</b> | CREB; CREB-1 |
|-----------------|--------------|

|                |      |
|----------------|------|
| <b>Gene ID</b> | 1385 |
|----------------|------|

|                    |                |
|--------------------|----------------|
| <b>mRNA Refseq</b> | NM_001320793.2 |
|--------------------|----------------|

|                       |                |
|-----------------------|----------------|
| <b>Protein Refseq</b> | NP_001307722.1 |
|-----------------------|----------------|

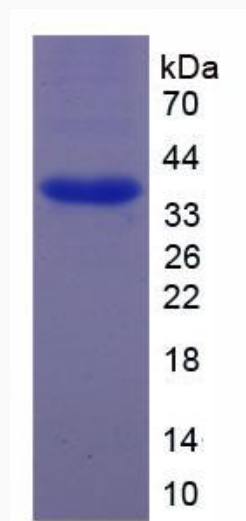
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| <b>MIM</b> | 123810 |
|------------|--------|

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|-------------------|--------|
| <b>UniProt ID</b> | P16220 |
|-------------------|--------|

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**SDS-PAGE**

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