

## Recombinant Human E2F5 Protein, His-tagged

Cat. No. E2F5-007H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of Human E2F transcription factor 5, p130-binding (E2F5), transcript variant 1, with N-terminal HIS tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | <p>The protein encoded by this gene is a member of the E2F family of transcription factors. The E2F family plays a crucial role in the control of cell cycle and action of tumor suppressor proteins and is also a target of the transforming proteins of small DNA tumor viruses. The E2F proteins contain several evolutionarily conserved domains that are present in most members of the family. These domains include a DNA binding domain, a dimerization domain which determines interaction with the differentiation regulated transcription factor proteins (DP), a transactivation domain enriched in acidic amino acids, and a tumor suppressor protein association domain which is embedded within the transactivation domain. This protein is differentially phosphorylated and is expressed in a wide variety of human tissues. It has higher identity to E2F4 than to other family members. Both this protein and E2F4 interact with tumor suppressor proteins p130 and p107, but not with pRB. Alternative splicing results in multiple variants encoding different isoforms. [provided by RefSeq, Jul 2008].</p> |
| <b>Molecular Mass</b>   | 37.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

 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>Purity</b> | > 80% as determined by SDS-PAGE and Coomassie blue staining |
|---------------|-------------------------------------------------------------|

|                      |                                                  |
|----------------------|--------------------------------------------------|
| <b>Concentration</b> | >50 µg/mL as determined by microplate BCA method |
|----------------------|--------------------------------------------------|

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| <b>Storage Buffer</b> | 25mM Tris, pH 8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl. |
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## GENE INFORMATION

|                  |                                                                |
|------------------|----------------------------------------------------------------|
| <b>Gene Name</b> | E2F5 E2F transcription factor 5, p130-binding [ Homo sapiens ] |
|------------------|----------------------------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Official Symbol</b> | E2F5 |
|------------------------|------|

|                 |                                                                                   |
|-----------------|-----------------------------------------------------------------------------------|
| <b>Synonyms</b> | E2F5; E2F transcription factor 5, p130-binding; transcription factor E2F5; E2F-5; |
|-----------------|-----------------------------------------------------------------------------------|

|                |      |
|----------------|------|
| <b>Gene ID</b> | 1875 |
|----------------|------|

|                    |              |
|--------------------|--------------|
| <b>mRNA Refseq</b> | NM_001083588 |
|--------------------|--------------|

|                       |              |
|-----------------------|--------------|
| <b>Protein Refseq</b> | NP_001077057 |
|-----------------------|--------------|

|            |        |
|------------|--------|
| <b>MIM</b> | 600967 |
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|-------------------|--------|
| <b>UniProt ID</b> | Q15329 |
|-------------------|--------|

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