

Recombinant Human E2F1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. E2F1-1406H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	E2F1 MS Standard C13 and N15-labeled recombinant protein (NP_005216) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 evolutionally conserved domains found 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 and another 2 members, E2F2 and E2F3, have an additional cyclin binding domain. This protein binds preferentially to retinoblastoma protein pRB in a cell-cycle dependent manner. It can mediate both cell proliferation and p53-dependent/independent apoptosis.
Molecular Mass	46.7 kDa
AA Sequence	MALAGAPAGGPCAPALEALLGAGALRLLDSSQIVIISAAQDASAPPAPTGPAAPAAG

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

PCDPDLLLFATPQAPRPTPSAPRPALGRPPVKRRDLTDHQYLAESSGPARGRGR
 HPGKGVKSPGEKSRYETSLNLTTRKFLELLSHSADGVVDLNWAAEVLKVQKRRIYDI
 TNVLEGIQLIAKKSKNHIQWLGSHTTVGVGGRLEGLTQDLRQLQESEQQLDHLMNIC
 TTQLRLLSEDTDSQRLAYVTCQDLRSIADPAEQMVMVIKAPPETQLQAVDSSNFQI
 SLKSKQGPIDVFLCPEETVGGISPGKTPSQEVTSEEENRATDSATIVSPPPSSPPSSL
 TTDPQSLLSLEQEPLLSRMGSLRAPVDEDRLSPLVAADSLEHVREDFSGLLPEEFI
 SLSPPEALDYHFGLEEGEGIRDLFDCDFGDLTPLDFTRTRPLEQKLISEEDLAANDI
 LDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

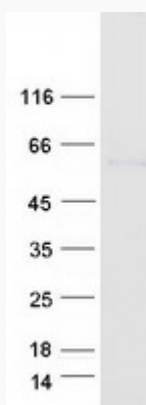
GENE INFORMATION

Gene Name	E2F1 E2F transcription factor 1 [Homo sapiens (human)]
Official Symbol	E2F1
Synonyms	E2F1; E2F transcription factor 1; RBBP3; transcription factor E2F1; RBP3; PBR3; RBAP-1; RBBP-3; PRB-binding protein E2F-1; retinoblastoma-binding protein 3; retinoblastoma-associated protein 1; E2F-1; RBAP1;
Gene ID	1869

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mRNA Refseq [NM_005225](#)**Protein Refseq** [NP_005216](#)**MIM** [189971](#)**UniProt ID** [Q01094](#)**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA