

Product datasheet for TP308247

E2F1 (NM_005225) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human E2F transcription factor 1 (E2F1), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC208247 representing NM_005225 Red=Cloning site Green=Tags(s) |

MALAGAPAGGPCAPALEALLGAGALRLLDSSQIVISAAQDASAPPAPTGPAAPAAGPCDPDLLLFATPQ
APRPTPSAPRPALGRPPVKRRRLDLETDHQYLAESSGPARGRGRHPGKGVKSPGEKSRYETSLNLTTRFL
ELLSHSADGVVDLNWAAEVLKVQKRRYDITNVLEGIQLIAKKSKNHIQWLGSHTTVGVGGRLEGLTQDL
RQLQESEQQLDHLMNICTTQLRLLSEDTDSQRLAYVTCQDLRSIADPAEQMVMVIKAPPETQLQAVDSSE
NFQISLKSQGPIDVFLCPEETVGGISPGKTPSQEVTSEENRATDSATIVSPPPSSPPSLTTDPSQSL
LSLEQEPLLSRMGSLRAPVDEDRLSPLVAADSLLEHVREDFSGLLPEEFISLSPHEALDYHFGLEEGER
IRDLFDCDFGDLTPLDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 46.7 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Bioactivity: | WB standard (PMID: 26639898) |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |



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RefSeq: [NP_005216](#)

Locus ID: 1869

UniProt ID: [Q01094](#)

RefSeq Size: 2486

Cytogenetics: 20q11.22

RefSeq ORF: 1311

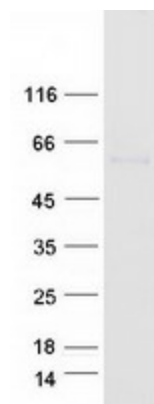
Synonyms: E2F-1; RBAP1; RBBP3; RBP3

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Bladder cancer, Cell cycle, Chronic myeloid leukemia, Glioma, Melanoma, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Prostate cancer, Small cell lung cancer

Product images:



Coomassie blue staining of purified E2F1 protein (Cat# TP308247). The protein was produced from HEK293T cells transfected with E2F1 cDNA clone (Cat# [RC208247]) using MegaTran 2.0 (Cat# [TT210002]).