

Product datasheet for **TP308247M**

E2F1 (NM_005225) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human E2F transcription factor 1 (E2F1), 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC208247 representing NM_005225
Red=Cloning site **Green**=Tags(s)

MALAGAPAGGPCAPALEALLGAGALRLLDSSQIVIISAAQDASAPPAPTGPAAPAAGPCDPDLLLFATPQ
APRPTPSAPRPALGRPPVKRRLDLETDHQYLAESSGPARGRGRHPGKGVKSPGEKSRYETSLNLTTRFL
ELLSHSADGVVDLNWAAEVLKVQKRRIYDITNVLEGIQLIAKSKNHIQWLGSHTTVGVGGRLEGLTQDL
RQLQESEQQLDHLMNICTTQLRLLSEDTDSQRLAYVTCQDLRSIADPAEQMVMVIKAPPETQLQAVDSSE
NFQISLKSQGPIDVFLCPEETVGGISPGKTPSQEVTSEENRATDSATIVSPPPSSPSSLTTDPSQSL
LSLEQEPLLSRMGSLRAPVDEDRLSPLVAADSLLEHVREDFSGLLPEEFISLSPHEALDYHFGLEEGEG
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](#), [Q9BSD8](#)

RefSeq Size: 2486

Cytogenetics: 20q11.22

RefSeq ORF: 1311

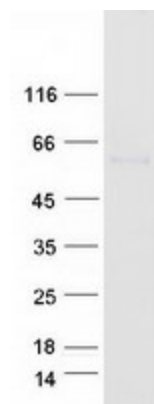
Synonyms: E2F-1; RBAP1; RBBP3; RBP3

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]).