

Product datasheet for PH308247

E2F1 (NM_005225) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	E2F1 MS Standard C13 and N15-labeled recombinant protein (NP_005216)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208247
Predicted MW:	46.7 kDa
Protein Sequence:	>RC208247 representing NM_005225 Red =Cloning site Green =Tags(s)

MALAGAPAGGPCAPALEALLGAGALRLLDSSQIVIIISAAQDASAPPAPTGAAPAAGPCDPDLLLFATPQ
 APRPTPSAPRPALGRPPVKRRLDLETDHQLAESSGPARGRGRHPGKGVKSPGEKSRYETSLNLTTRKFL
 ELLSHSADGVVDLNWAAEVLKVQKRRIYDITNVLEGIQLIAKSKNHIQWLGSHTTVGVGGRLEGLTQDL
 RQLQSESEQLDHLMNICTTQLRLLSEDTDSQRLAYVTCQDLRSIADPAEQMVMVIKAPPETQLQAVDSSE
 NFQISLKSQGPIDVFLCPEETVGGISPGKTPSQEVTSEENRATDSATIVSPPPSSPPSLTTDPSQSL
 LSLEQEPLLSRMGSLRAPVDEDRLSPLVAADSLLEHVREDFSGLLPEEFISLSPHEALDYHFGLEEGEG
 IRDLFDCDFGDLTPLDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_005216</u>
RefSeq Size:	2486
RefSeq ORF:	1311
Synonyms:	E2F-1; RBAP1; RBBP3; RBP3


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Locus ID: 1869

UniProt ID: [Q01094](#), [Q9BSD8](#)

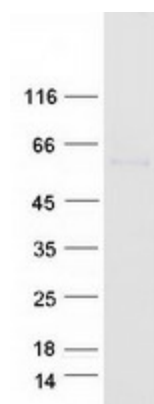
Cytogenetics: 20q11.22

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]).