

## Product datasheet for **TP324285L**

### **E2F5 (NM\_001951) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human E2F transcription factor 5, p130-binding (E2F5), transcript variant 1, 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA</b>	>RC224285 representing NM_001951
<b>Clone or AA Sequence:</b>	Red=Cloning site Green=Tags(s)

MAAAEPASSGQQAPAGQGQGRPPPPQPPQAQAPQPPPPQQLGGAGGGSSRHEKSLGLLTTKFVSLLEAK  
DGVLDLKAAADTLAVRQKRRIYDITNVLEGIDLIEKSKNSIQWKGVGAGCNTKEVIDRLRYLKAIEDL  
ELKERELDQQKLWLQQSIKNVMDSDSINNRFYSVTHEDICNCFNGDTLLAIQAPSGTQLEVPIPEMGQNGQ  
KKYQINLKSHSGPIHVLLINKESSSSKPVVFPVPPDDLTQPSSQSLTPVTPQKSSMATQNLPEQHVSR  
SQALQQTSATDISSAGSISGDIIDELMSSDVFPLLRLSPTADDYFNLDNNEGVCDFDVQILNY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	37.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001942</a>
<b>Locus ID:</b>	1875



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UniProt ID: [Q15329](#)

RefSeq Size: 1752

Cytogenetics: 8q21.2

RefSeq ORF: 1038

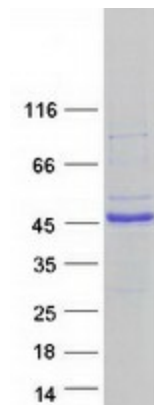
Synonyms: E2F-5

**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 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]

**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Cell cycle, TGF-beta signaling pathway

### Product images:



Coomassie blue staining of purified E2F5 protein (Cat# [TP324285]). The protein was produced from HEK293T cells transfected with E2F5 cDNA clone (Cat# [RC224285]) using MegaTran 2.0 (Cat# [TT210002]).