

Product datasheet for PH324285

E2F5 (NM_001951) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	E2F5 MS Standard C13 and N15-labeled recombinant protein (NP_001942)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224285
Predicted MW:	37.4 kDa
Protein Sequence:	>RC224285 representing NM_001951 Red=Cloning site Green=Tags(s) MAAAEPASSGQQAPAGQGQGRPPPPQPPQAQAPQPPPPQLGGAGGSSRHEKSLGLLTTKFKVSLLLQEAK DGVLDLAAAADTLAVRQKRRIYDITNVLEGIDLIEKSKNSIQWKGVGAGCNTKEVIDRLRYLKAIEDL ELKERELDQQKLWLQQSINKVMDDSIINRF SYVTHEDICNCFNGDTLLAIQAPSGTQLEVP IPEMGNGQ KKYQINLKSHSGPIHVLLINKESSSSKPVVFPVPPDDL TQPSSQSLTPVTPQKSSMATQNLPEQHVSR SQALQQT SATDISSAGSISGDI IDELMSSDVFP LLRLSPTPADDYFNLD DNEGVCDFDVQILNY TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_001942</u>
RefSeq Size:	1752
RefSeq ORF:	1038
Synonyms:	E2F-5
Locus ID:	1875



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UniProt ID: [Q15329](#)

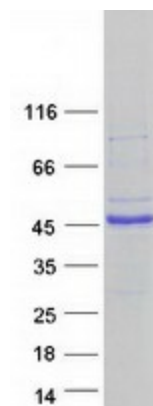
Cytogenetics: 8q21.2

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]).