

Recombinant Human E2F6

Cat. No. E2F6-26508TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human E2F6 with N-terminal proprietary tag. Mol Wt 56.65 kDa inclusive of tag.
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Species	Human
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Source	Wheat Germ
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ProteinLength	281 amino acids
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Description

This gene encodes a member of the E2F transcription factor protein family. E2F family members play a crucial role in control of the cell cycle and of the action of tumor suppressor proteins. They are also a target of the transforming proteins of small DNA tumor viruses. Many E2F proteins contain several evolutionarily conserved domains: 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. The encoded protein of this gene is atypical because it lacks the transactivation and tumor suppressor protein association domains. It contains a modular suppression domain and is an inhibitor of E2F-dependent transcription. The protein is part of a multimeric protein complex that contains a histone methyltransferase and the transcription factors Mga and Max. Multiple transcript variants have been reported for this gene, but it has not been clearly demonstrated that they encode valid isoforms.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Weight	56.650kDa
Tissue specificity	Expressed in all tissues examined. Highest levels in placenta, skeletal muscle, heart, ovary, kidney, small intestine and spleen.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MSQQRPAKRLPSLLLDPTTEETVRRRCRDPINVEGLLPISKI RINLEDNVQYVSMRKAL KVKRPRFDVSLVYLTRKFMDLVR SAPGGILDNLNKVATKLGVRKRRVYDITNVLDGID LVEKKS KNHIRWIGSDLSNFGAVPQQKKLQEELSDLSAMEDALDEL IKDCAQQLFE LTDDKENERLAYVTYQDIHSIQAFHEQIVI AVKAPAETRLDVPAPREDSTVHIRSTNG PIDVYLCEVEQ GQTSNKRSEGVGTSSSESTHPEGPEEEENPQQSEELLEVS N
Sequence Similarities	Belongs to the E2F/DP family.

GENE INFORMATION

Gene Name	E2F6 E2F transcription factor 6 [Homo sapiens]
Official Symbol	E2F6
Synonyms	E2F6; E2F transcription factor 6; transcription factor E2F6; E2F 6;

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Gene ID	1876
mRNA Refseq	NM_198256
Protein Refseq	NP_937987
MIM	602944
Uniprot ID	O75461
Chromosome Location	2p25.1
Pathway	Cell cycle, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem; G1 to S cell cycle control, organism-specific biosystem;
Function	DNA binding; sequence-specific DNA binding transcription factor activity; transcription corepressor activity;

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