

Recombinant Human E2F6 cell lysate

Cat. No. E2F6-521HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species Human

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.

Size 100 ul

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications Western Blot;

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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; E2F transcription factor 6, isoform 1; E2F-6; MGC111545;
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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