

Recombinant Human E2F2 cell lysate

Cat. No. E2F2-520HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species

Human

Description

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, E2F1 and E2F3, have an additional cyclin binding domain. This protein binds specifically to retinoblastoma protein pRB in a cell-cycle dependent manner, and it exhibits overall 46% amino acid identity to E2F1.

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;

GENE INFORMATION

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Gene Name	E2F2 E2F transcription factor 2 [Homo sapiens]
Official Symbol	E2F2
Synonyms	E2F2; E2F transcription factor 2; transcription factor E2F2; E2F 2; E2F-2;
Gene ID	1870
mRNA Refseq	NM_004091
Protein Refseq	NP_004082
MIM	600426
UniProt ID	Q14209
Chromosome Location	1p36
Pathway	Assembly of the pre-replicative complex, organism-specific biosystem; Association of licensing factors with the pre-replicative complex, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; CDC6 association with the ORC:origin complex, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem;
Function	DNA binding; core promoter binding; protein binding; sequence-specific DNA binding transcription factor activity; transcription factor binding;

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