

## Recombinant Full Length Human E2F2 Protein

Cat. No. E2F2-133HF    Lot. No. (See product label)

### SPECIFICATION

**Product Overview**      Recombinant full length Human E2F2 with N terminal proprietary tag; Predicted MWt 35.24 kDa.

**Species**                      Human

**Source**                        In Vitro Cell Free System

**ProteinLength**              83 amino acids

**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.

**Form**                            Liquid

**Molecular Mass**            35.240kDa inclusive of tags

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<b>AA Sequence</b>	MESRSVAQAGVQWPDLGSLQPLPPRFKRFFCLSLQSSWDYRHAPPRPANFVFLVE TGFCHVSQAGLELLTSSDPPPRPPKVL R
<b>Purity</b>	Proprietary Purification
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
<b>Storage Buffer</b>	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## GENE INFORMATION

<b>Gene Name</b>	E2F2 E2F transcription factor 2 [ Homo sapiens ]
<b>Official Symbol</b>	E2F2
<b>Synonyms</b>	E2F2; E2F transcription factor 2; transcription factor E2F2
<b>Gene ID</b>	1870
<b>mRNA Refseq</b>	NM_004091
<b>Protein Refseq</b>	NP_004082
<b>MIM</b>	600426
<b>UniProt ID</b>	Q14209

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