

# Recombinant Full Length Human E2F4 Protein, GST-tagged

Cat. No. E2F4-4113HF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Human E2F4 full-length ORF ( NP\_001941.2, 1 a.a. - 413 a.a.) recombinant protein with GST-tag at N-terminal.

**Species** Human

**Source** In Vitro Cell Free System

**ProteinLength** 413 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 binds to all three of the tumor suppressor proteins pRB, p107 and p130, but with higher affinity to the last two. It plays an important role in the suppression of proliferation-associated genes, and its gene mutation and increased expression may be associated with human cancer. [provided by RefSeq, Jul 2008]

**Molecular Mass** 70.4 kDa

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<b>AA Sequence</b>	<p>MAEAGPQAPPPPGTPSRHEKSLGLLTTKFVSLLEAKDGVLDLKLAAADTLAVRQKR          RIYDITNVLEGIGLIEKSKNSIQWKGVGPVCNTREIADKLIELKAEIEELQQREQELD          QHKVWVQQSIRNVTEDEVQNSCLAYVTHEDICRCFAGDTLLAIRAPSGTSLEVPIPEG          LNGQKKYQIHLKSVSGPIEVLLVNKEAWSSPPVAVPVPPPEDLLQSPSAVSTPPPLP          KPALAQSQEASRPNSPQLTPTAVPGSAEVQGMAGPAAEITVSGGPGTDSKDSGELS          SLPLGPTTLDTRPLQSSALLDSSSSSSSSSSSSSSNSNSSSSSSGPNPSTSFEDIKADPT          GVLELPKELSEIFDPTRECMSEELLEELMSSEVFAPLLRLSPPPGDHDYIYNLDESEG          VCDLFDVPVLNL</p>
<b>Applications</b>	<p>Enzyme-linked Immunoabsorbent Assay          Western Blot (Recombinant protein)          Antibody Production          Protein Array</p>
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	E2F4 E2F transcription factor 4, p107/p130-binding [ Homo sapiens ]
<b>Official Symbol</b>	E2F4
<b>Synonyms</b>	E2F4; E2F transcription factor 4, p107/p130-binding; transcription factor E2F4; E2F 4; p107/p130-binding protein; E2F-4;
<b>Gene ID</b>	1874



mRNA Refseq	NM_001950
Protein Refseq	NP_001941
MIM	600659
UniProt ID	Q16254

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