

Recombinant Human E2F4 Protein, GST-tagged

Cat. No. E2F4-3008H 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 Wheat Germ

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

AA Sequence MAEAGPQAPPPPSTPSRHEKSLGLLTTKFVSLLEAKDGVLDLKLAAADTLAVRQKR

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RIYDITNVLEGIGLIEKKSKNISIQWKGVGPGCNTREIADKLIELKAEIEELQQREQELD
 QHKVWVQQSIRNVTEDEVQNSCLAYVTHEDICRCFAGDTLLAIRAPSGTSLEVPIPEG
 LNGQKKYQIHLKSVSGPIEVLLVNKEAWSSPPVAVPVPPPEDLLQSPSAVSTPPPLP
 KPALAQSQEASRPNSPQLTPTAVPGSAEVQGMAGPAAEITVSGGPGTDSKDSGELS
 SLPLGPTTLDTRPLQSSALLDSSSSSSSSSSSSSSNSNSSSSSSGPNPSTSFEDIKADPT
 GVLELPKELSEIFDPTRECMSEELLEELMSSEVFAPLLRLSPPPGLDHDYIYNLDESEG
 VCDLFDVPVLNL

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

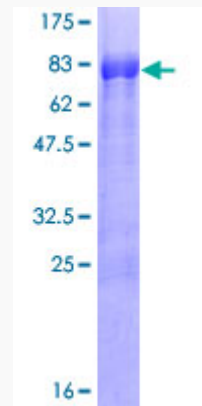
Gene Name	E2F4 E2F transcription factor 4, p107/p130-binding [Homo sapiens]
Official Symbol	E2F4
Synonyms	E2F4; E2F transcription factor 4, p107/p130-binding; transcription factor E2F4; E2F 4; p107/p130-binding protein; E2F-4;
Gene ID	1874
mRNA Refseq	NM_001950

Protein Refseq NP_001941

MIM 600659

UniProt ID Q16254

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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