

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	MAEAGPQAPPPPGTPSRHEKSLGLLTTKFVSLQAEKDGVLDLKLAADTLAVRQKR

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RIYDITNVLEGIGLIEKKSKNSIQWKGVGPGCNTREIADKLIELKAEIEELQQREQELD
QHKVWVQQSIRNVTEDEVQNSCLAYVTHEDICRCFAGDTLLAIRAPSGTSLEVPIPEG
LNGQKKYQIHLKSVSGPIEVLLVNKEAWSSPPVAVPVPPPEDLLQSPSAVSTPPPLP
KPALAQSQEASRPNSPQLTPTAVPGSAEVQGMAGPAAEITVSGGPGTDSKDSGELS
SLPLGPTTLDTRPLQSSALLDSSSSSSSSSSSSSSNSNSSSSSSGPNPSTSFEPKADPT
GVLELPKELSEIFDPTRECMSELLEELMSSEVFAPLLRLSPPPGDHDIYNLDESEG
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](#)

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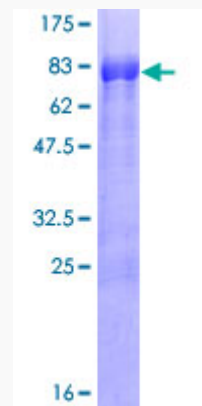
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Protein Refseq NP_001941

MIM 600659

UniProt ID Q16254

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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