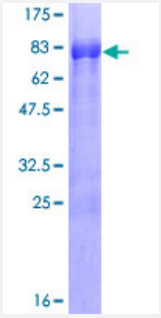
Full-Length

E2F4 (Human) Recombinant Protein (P01)

Catalog # H00001874-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human E2F4 full-length ORF (NP_001941.2, 1 a.a. - 413 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAEAGPQAPPPPGTPSRHEKSLGLLTTKFVSLLQEAKDGVLDLKLAADTLAVRQKRRIYDITNVLE GIGLIEKKSKNSIQWKGVGPGCNTREIADKLIELKAEIEELQQREQELDQHKVWVQQSIRNVTEDVQ NSCLAYVTHEDICRCFAGDTLLAIRAPSGTSLEVPIPEGLNGQKKYQIHLKSVSGPIEVLLVNKEAW SSPPVAVPVPPPEDLLQSPSAVSTPPPLPKPALAQSQEASRPNSPQLTPTAVPGSAEVQGMAG PAAEITVSGGPGTDSKDSGELSSLPLGPTTLDTRPLQSSALLDSSSSSSSSSSSSSNSNSSSSS GPNPSTSFEPIKADPTGVLELPKELSEIFDPTRECMSSELLEELMSSEVFAPLLRLSPPPGDHDYI YNLDESEGVCDLFDVPVLNL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	70.4
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — E2F4

Entrez GeneID	1874
GeneBank Accession#	NM_001950.3
Protein Accession#	NP_001941.2
Gene Name	E2F4
Gene Alias	E2F-4
Gene Description	E2F transcription factor 4, p107/p130-binding
Omim ID	600659
Gene Ontology	Hyperlink
Gene Summary	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 s everal evolutionally conserved domains found in most members of the family. These domains incl ude a DNA binding domain, a dimerization domain which determines interaction with the different iation regulated transcription factor proteins (DP), a transactivation domain enriched in acidic ami no acids, and a tumor suppressor protein association domain which is embedded within the trans activation 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 prolifer ation-associated genes, and its gene mutation and increased expression may be associated with human cancer. [provided by RefSeq
Other Designations	E2F transcription factor 4|p107/p130-binding protein

Pathway

- Cell cycle
- TGF-beta signaling pathway

Disease

- Genetic Predisposition to Disease
- Ovarian Neoplasms