

Full-Length

E2F5 (Human) Recombinant Protein (P01)

Catalog # H00001875-P01

Size 50 ug

Specification

Product Description	Human E2F5 full-length ORF (AA156211.1, 1 a.a. - 346 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAAAEPASSGQQAPAGQGQGRPPPQPPQAQAPQPPPPQLGGAGGGSSRHEKSLGLLTTKF VSLLEAKDGVLDLKAADTLAVRQKRRIYDITNVLEGIDLIEKSKNSIQWKGVGAGCNTKEVIDR LRYLKAEIEDLELKERELDQQKLWLQQSIKNVMDDSIINRFSYVTHEDICNCFNGDTLLAIQAPSGT QLEVPIPEMGQNGQKKYQINLKSHSGPIHVLLINKESSSSKPVVFPVPPDDLTPSSQSLTPVTP QKSSMATQNLPEQHVSESRQALQQTSAIDISSAGSISGDIIDELMSSDVFP LLRLSPTPADDYNFN LDDNEGVCDLFDVQILNY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	64.46
Interspecies Antigen Sequence	Mouse (88); Rat (87)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
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 — E2F5

Entrez GeneID [1875](#)

GeneBank Accession# [BC156210.1](#)

Protein Accession# [AA156211.1](#)

Gene Name E2F5

Gene Alias E2F-5

Gene Description E2F transcription factor 5, p130-binding

Omim ID [600967](#)

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 several evolutionarily conserved domains that are present 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 is differentially phosphorylated and is expressed in a wide variety of human tissues. It has higher identity to E2F4 than to other family members. Both this protein and E2F4 interact with tumor suppressor proteins p130 and p107, but not with pRB. Alternative splicing results in multiple variants encoding different isoforms. [provided by RefSeq]

Other Designations E2F transcription factor 5

Pathway

- [Cell cycle](#)
- [TGF-beta signaling pathway](#)

Disease

- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)