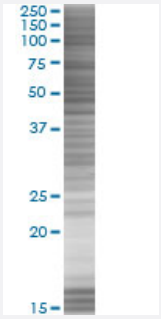
E2F4 293T Cell Transient Overexpression Lysate(Denatured)

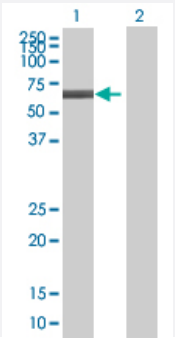
Catalog # H00001874-T01 Size 100 uL

Applications



SDS-PAGE Gel

E2F4 transfected lysate.



Western Blot

Lane 1: E2F4 transfected lysate (45.54 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-E2F4 full-length
Host	Human
Theoretical MW (kDa)	45.54
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-E2F4 antibody (H00001874-B01) by Western Blots. SDS-PAGE Gel E2F4 transfected lysate. Western Blot Lane 1: E2F4 transfected lysate (45.54 KDa) Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — E2F4

Entrez GeneID	1874
GeneBank Accession#	NM_001950.3
Protein Accession#	-
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 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
Other Designations	E2F transcription factor 4|p107/p130-binding protein

Pathway

- Cell cycle

- TGF-beta signaling pathway

Disease

- Genetic Predisposition to Disease
- Ovarian Neoplasms