

Recombinant Human E2F6, GST-tagged

Cat. No. E2F6-12249H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human E2F6 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-281a.a.
Description	This gene encodes a member of the E2F transcription factor protein family. E2F family members play a crucial role in control of the cell cycle and of the action of tumor suppressor proteins. They are also a target of the transforming proteins of small DNA tumor viruses. Many E2F proteins contain several evolutionarily conserved domains: 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. The encoded protein of this gene is atypical because it lacks the transactivation and tumor suppressor protein association domains. It contains a modular suppression domain and is an inhibitor of E2F-dependent transcription. The protein is part of a multimeric protein complex that contains a histone methyltransferase and the transcription factors Mga and Max. Multiple transcript variants have been reported for this gene, but it has not been clearly demonstrated that they encode valid isoforms.

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Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.
GENE INFORMATION	
Gene Name	E2F6 E2F transcription factor 6 [Homo sapiens]
Official Symbol	E2F6
Synonyms	E2F6; E2F transcription factor 6; transcription factor E2F6; E2F 6; E2F transcription factor 6, isoform 1; E2F-6; MGC111545;
Gene ID	1876
mRNA Refseq	NM_198256
Protein Refseq	NP_937987
MIM	602944
UniProt ID	O75461
Chromosome Location	2p25.1
Pathway	Cell cycle, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem; G1 to S cell cycle control, organism-specific biosystem;

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Function

DNA binding; sequence-specific DNA binding transcription factor activity; transcription corepressor activity;

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