

Recombinant Full Length Human ETV1 Protein, C-Flag-tagged

Cat. No. ETV1-1484HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ETV1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the ETS (E twenty-six) family of transcription factors. The ETS proteins regulate many target genes that modulate biological processes like cell growth, angiogenesis, migration, proliferation and differentiation. All ETS proteins contain an ETS DNA-binding domain that binds to DNA sequences containing the consensus 5'-CGGA[AT]-3'. The protein encoded by this gene contains a conserved short acidic transactivation domain (TAD) in the N-terminal region, in addition to the ETS DNA-binding domain in the C-terminal region. This gene is involved in chromosomal translocations, which result in multiple fusion proteins including EWS-ETV1 in Ewing sarcoma and at least 10 ETV1 partners (see PMID: 19657377, Table 1) in prostate cancer. In addition to chromosomal rearrangement, this gene is overexpressed in prostate cancer, melanoma and gastrointestinal stromal tumor. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	55 kDa

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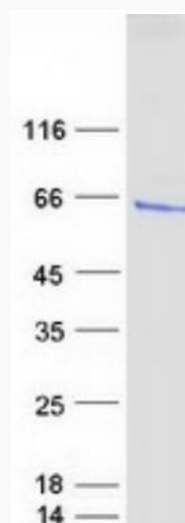
AA Sequence	MDGFYDQQVPYMTNSQRGRNCNEKPTNVRKRKFINRDLAHDSEELFQDLSQLQE TWLAEAQVPDNDEQF VPDYQAESLAFHGLPLKIKKEPHSPCSEISSACSQEPPFKF SYGEKCLYNVSAYDQKPQVGMRPSNPPTP SSTPV SPLHHASPNSTHTPKPDRAFP AHLPPSQSIPDSSYPMDHRFRRLSEPCNSFPPLPTMPREGRPM YQRQMSEPNIP FPPQGFKQEYHDPVYEHN TMVGSAASQSFPPPLMIKQEPRDFAYDSEVPSCHSIYM RQE GFLAHP SRTEGCMFEKGPRQFYDDTCVPEKFDGDIKQEPGMYREGPTYQR RGSLLQWLQFLVALLDDPSN SHFIAWTGRGMEFKLIEPEEVARRWGIQKNRPAMNY DKLSRSLRYYYEKGIMQKVAGERYVYK FVCDPEA LFSMAFPDNQRPLLKTDMERHINEEDTVPLSHFDESMAYMPEGGCCNPHPYNEGY VYTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	ES Cell Differentiation/IPS, Transcription Factors
Full Length	Full L.
GENE INFORMATION	
Gene Name	ETV1 ETS variant transcription factor 1 [Homo sapiens (human)]

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Official Symbol	ETV1
Synonyms	ER81
Gene ID	2115
mRNA Refseq	NM_004956.5
Protein Refseq	NP_004947.2
MIM	600541
UniProt ID	P50549



Coomassie blue staining of purified ETV1 protein.