

## Product datasheet for **TP310533**

### ER81 (ETV1) (NM\_004956) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human ets variant 1 (ETV1), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC210533 protein sequence

**Clone or AA** Red=Cloning site Green=Tags(s)

**Sequence:**

MDGFYDQQVPYMTNSQRGRNCNEKPTNVRKRKFINRDLAHDSEELFQDLSQLQETWLAEAQVPDNDEQF  
VPDYQAESLAFHGLPLKIKKEPHSPCSEISSACSQEQPFKFSYGEKCLYNVSAYDQKPQVGMRPSNPPTP  
SSTPVSPHLLHASPSTHTPKPDRAFPAPHLPPSQSIPDSSYPMDHRFRRLSEPCNSFPPLPTMPREGRPM  
YQRQMSEPNIFFPPQGFKQEYHDPVYEHNTMVGSAASQSFPPPLMIKQEPDFAYDSEVPSCHSIYMRQE  
GFLAHPSTRTEGCMFEKGPRQFYDDTCVPEKFDGDIKQEPGMYREGPTYQRRGSLQLWQFLVALLDDPSN  
SHFIAWTGRGMEFKLIEPEEVARRWGIQKNRPAMNYDKLSRSLRYYYEKGIMQKVAGERYVYKFCVCDPEA  
LFSMAFPDNQRPLLKTDMERHINEEDTVPLSHFDESMAYMPEGGCCNPHYPYNEGYVY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 55 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_004947](#)



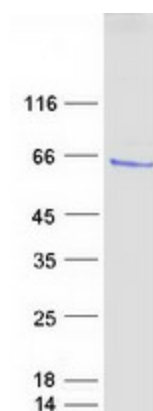
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Locus ID:	2115
UniProt ID:	<a href="#">P50549</a>
RefSeq Size:	6824
Cytogenetics:	7p21.2
RefSeq ORF:	1431
Synonyms:	ER81

**Summary:** 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. [provided by RefSeq, Jul 2016]

**Protein Families:** ES Cell Differentiation/IPS, Transcription Factors

### Product images:



Coomassie blue staining of purified ETV1 protein (Cat# TP310533). The protein was produced from HEK293T cells transfected with ETV1 cDNA clone (Cat# [RC210533]) using MegaTran 2.0 (Cat# [TT210002]).