

Recombinant Human ETV1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ETV1-4418H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ETV1 MS Standard C13 and N15-labeled recombinant protein (NP_004947) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	55.1 kDa

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AA Sequence	MDGFYDQQVPYMTNSQGRNCNEKPTNVRKRKFINRDLAHDSEELFQDLSQLQE TWLAEAQVPDNDEQFVPDYQAESLAFHGLPLKIKKEPHSPCSEISSACSQEQPFKFS YGEKCLYNVSAYDQKPQVGMRPSNPPTPSSTPV SPLHHASPNSTHTPKPDRAFPA HLPPSQSIPDSSYPMDHRFRRQLSEPCNSFPPLPTMPREGRP MYQRQMSEPNIPFP PQGFKQEYHDPVYEHNTMVGSAASQSFPPLMIKQEPRDFAYDSEVPSCHSIYMR QEGFLAHP SRTEGCMFEKGPRQFYDDTCVVPEKFDGDIKQEPGMYREGPTYQRRG SLQLWQFLVALLDDPSNSHFIAWTGRGMEFKLIEPEEVARRWGIQKNRPAMNYDKL SRSLRYYYEKGIMQKVAGERYVYKFVCDPEALFSMAFPDNQRPLLKTDMERHINEE DTVPLSHFDESMAYMPEGGCCNPHPYNEG YVYTRTRPLEQKLISEEDLAANDILDYK DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	ETV1 ets variant 1 [Homo sapiens (human)]
Official Symbol	ETV1
Synonyms	ETV1; ets variant 1; ets variant gene 1; ETS translocation variant 1; ER81; ets-related protein 81; MGC104699; MGC120533; MGC120534; DKFZp781L0674;

Gene ID	2115
mRNA Refseq	NM_004956
Protein Refseq	NP_004947
MIM	600541
UniProt ID	P50549
SDS-PAGE	