

Recombinant Full Length Human ETV1 Protein, GST-tagged

Cat. No. ETV1-4753HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human ETV1 full-length ORF (ABZ92002.1, 1 a.a. - 477 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 477 amino acids

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. [provided by RefSeq, Jul 2016]

Molecular Mass 52.5 kDa

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AA Sequence

MDGFYDQQVPYMTNSQRGRNCNEKPTNVRKRKFINRDLAHDSEELFQDLSQLQE
 TWLAEAQVPDNDEQFVPDYQAESLAFHGLPLKIKKEPHSPCSEISSACSQEQPFKFS
 YGEKCLYNVSAYDQKPQVGMRPSNPPTSPSTPV SPLHHASPNSTHTPKPDRAFPA
 HLPPSQSIPDSSYPMDHRFRRQLSEPCNSFPPLPTMPREGRP MYQRQMSEPNIPFP
 PQGFKQEYHDPVYEHN TMVGS AASQSFPPLMIKQEPRDFAYDSEVPSCHSIYMR
 QEGFLAHP SRTEGCMFEKGPRQFYDDTCVVPEKFDGDIKQEPGMYREGPTYQRRG
 SLQLWQFLVALLDDPSNSHFIAWTGRGMEFKLIEPEEVARRWGIQKNRPAMNYDKL
 SRSLRYYYEKGIMQKVAGERYVYK FVCDPEALFSMAFPDNQRPLLKTDMERHINEE
 DTVPLSHFDESMAYMPEGGCCNPHPYNEGYVY

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [ETV1 ets variant 1 \[Homo sapiens \]](#)

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](#)

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mRNA Refseq	NM_001163147
Protein Refseq	NP_001156619
MIM	600541
UniProt ID	P50549

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