ETS1 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	ETS1, Recombinant Protein
Full Product Name	Recombinant Human ETS1
Product Gene Name	ETS1 recombinant protein
Product Synonym Names	ETS1 Protein; Protein C-ets-1; V-ets Erythroblastosis Virus E26 Oncogene Homolog 1 (Avian); Isoform CRA_a; ETS1; hCG_1732038
Sequence	Met1-Thr27 2
Host	E coli
Form/Format	Lyophilized from a 0.2um filtered solution of PBS, 1mM EDTA, pH7.4
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Preparation and Storage	The lyophilized protein is stable at -20 degree C for up to 1 year. After reconstitution, the protein solution is stable at -20 to -80 degree C for 3 months or 1 week at 2 to 8 degree C under sterile conditions. For extended storage, it is recommended to further dilute in working aliquots, avoid repeated freeze/thaw cycle.
Molecular Weight	50,408 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (128328656..128457453, complement). Location: 11q23.3
OMIM	164720
3D Structure	ModBase 3D Structure for P14921
Species	Human
Endotoxin	< 1 EU/ug as determined by LAL test.
Tag	N-terminal His Tag
Reconstitution	Centrifuge the vial at 10000rpm for 30s before opening, reconstitute in sterile distilled water to a concentration of 0.1-1mg/ml by gently pipetting 2-3 times, don't vortex.
Product Categories/Family for ETS1 recombinant protein	cytokines
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for ETS1 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for ETS1 recombinant protein	MBS7621655 is a recombinant protein targeting ETS1. Also known as Recombinant Human ETS1. Host: E coli.
Other Notes	Small volumes of ETS1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ETS1. It may not necessarily be applicable to this product.

NCBI GI #	219689118
NCBI GeneID	2113

NCBI Accession #	NP_001137292.1
UniProt Primary Accession #	P14921
UniProt Secondary Accession #	Q14278; Q16080; Q6N087; A9UL17; F5GYX9
UniProt Related Accession #	P14921
GenBank Nucleotide #	NM_001143820.1
NCBI Official Full Name	protein C-ets-1 isoform 1
NCBI Official Synonym Full Names	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)
NCBI Official Symbol	ETS1
NCBI Official Synonym Symbols	ETS-1; EWSR2
UniProt Protein Name	Protein C-ets-1
UniProt Synonym Protein Names	p54
Protein Family	Protein
UniProt Gene Name	ETS1
UniProt Synonym Gene Names	EWSR2
UniProt Entry Name	ETS1_HUMAN
NCBI Protein Information	protein C-ets-1; p54; ets protein; v-ets avian erythroblastosis virus E2 oncogene homolog 1; Avian erythroblastosis virus E26 (v-ets) oncogene homolog-1
NCBI Summary for ETS1	This gene encodes a member of the ETS family of transcription factors, which are defined by the presence of a conserved ETS DNA-binding domain that recognizes the core consensus DNA sequence GGAA/T in target genes. These proteins function either as transcriptional activators or repressors of numerous genes, and are involved in stem cell development, cell senescence and death, and tumorigenesis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 2011]
UniProt Comments for ETS1	Ets-1: a proto-oncogenic transcription factor homologous to the v-ets erythroblastosis virus oncogene. The DNA binding activity of Ets1 is controlled by kinases and transcription factors. It contributes to the regulation of cellular differentiation in hematopoietic cells. Ets1 promotes invasive behavior in endothelial cells, vascular smooth muscle cells and epithelial cancer cells. Regulates the expression of MMP1, MMP3, MMP9 and uPA as well as of VEGF and VEGFR gene expression. Two alternatively spliced isoforms have been described. Protein type: Oncoprotein; Transcription factor; Motility/polarity/chemotaxis; DNA-binding Chromosomal Location of Human Ortholog: 11q23.3 Cellular Component: nucleoplasm; transcription factor complex; intercellular bridge; cytoplasm; nucleus Molecular Function: histone acetyltransferase binding; protein binding; DNA binding; sequence-specific DNA binding; transcription factor activity; transcription factor binding Biological Process: transcription from RNA polymerase II promoter; hypothalamus development; positive regulation of transcription, DNA-dependent; positive regulation of erythrocyte differentiation; cell motility involved in cell locomotion; PML body organization and biogenesis; positive regulation of cell motility; female pregnancy; angiogenesis involved in wound healing; regulation of angiogenesis; response to estradiol stimulus; negative regulation of cell cycle; response to antibiotic; regulation of apoptosis; negative regulation of cell proliferation; positive regulation of angiogenesis; response to mechanical stimulus; pituitary gland development; positive regulation of cell proliferation; response to hypoxia; positive regulation of transcription from RNA polymerase II promoter; immune response
Research Articles on ETS1	**1.** gene-gene epistatic interactions revealed between IL21 and ETS1 in systemic lupus erythematosus.

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