

Recombinant Human ERG

Catalog No: #GP10462



Package Size: #GP10462-1 100ug

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Description

Product Name	Recombinant Human ERG
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1-150 amino acids of human v-ets erythroblastosis virus E26 oncogene homolog (avian)
Target Name	V-ets erythroblastosis virus E26 oncogene homolog (avian)
Other Names	p55; erg-3
Accession No.	Swissprot:P11308Gene Accession:BC040168
Uniprot	P11308
GenelD	2078;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes a member of the erythroblast transformation-specific (ETS) family of transcription factors. All members of this family are key regulators of embryonic development, cell proliferation, differentiation, angiogenesis, inflammation, and apoptosis. The protein encoded by this gene is mainly expressed in the nucleus. It contains an ETS DNA-binding domain and a PNT (pointed) domain which is implicated in the self-association of chimeric oncoproteins. This protein is required for platelet adhesion to the subendothelium, inducing vascular cell remodeling. It also regulates hematopoiesis, and the differentiation and maturation of megakaryocytic cells. This gene is involved in chromosomal translocations, resulting in different fusion gene products, such as TMPSSR2-ERG and NDRG1-ERG in prostate cancer, EWS-ERG in Ewing's sarcoma and FUS-ERG in acute myeloid leukemia. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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