

PRODUCT INFORMATION

ERG Target

Synonyms erg-3;p55

Recombinant human ERG protein with C-terminal Description

human Fc tag

Delivery Under development

Uniprot ID P11308 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Purity

ERG(Val280-Glu405) hFc(Glu99-Ala330) Characterization

Molecular Weight 49.39 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

The protein has a predicted molecular mass of

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation & Reconstitution

lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

Storage & Shipping

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a member of the erythroblast transformation-specific (ETS) family of transcriptions factors. All members of this family are key regulators of embryonic development, and interest of the 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 selfassociation of chimeric oncoproteins. This protein

is required for platelet adhesion to the subendothelium, inducing vascular cell remodeling. It also regulates hematopoesis, and the differentiation and maturation of

Background

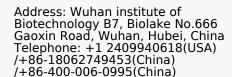
megakaryocytic cells. This gene is involved in chromosomal translocations, resulting in different fusion gene products, such as TMPSSR2-ERG and NDRG1-ERG in prostate cancer, EWS-ERG in Ewing's sarcoma and FUS-ERG in acute myeloid leukemia. More than two dozens of transcript variants generated from combinatorial usage of three alternative promoters and multiple

alternative splicing events have been reported, but the full-length nature of many of these variants has not been determined. [provided by

RefSeq, Apr 2014]

Usage Research use only

Conjugate Unconjugated



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