

Recombinant Human ETS1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50288

Size: 10ug, 100ug

Protein Name: Protein C-ets-1 (p54)

Synonym: ETS1, EWSR2

UniProt ID: P14921

UniProt Link: www.uniprot.org/uniprotkb/P14921/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 441 AA

Molecular Weight: 50 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MKAAVDLKPTLTIIKTEKVDLELFPSPDMECADVPLLTPSSKEMMSQALKATFSGFTKEQQRLGIPKD
PRQWTETHVRDWVMWAVNEFSKGVDFQKFCMNGAALCALGKDCFLELAPDFVGDILWEHLEILQ
KEDVKPYQVNGVNPAYPESRYTSDYFISYGIEHAQCVPPSEFSEPSFITESYQTLHPISSEELLSLKYE
NDYPSVILRDPLQTDLTQNDYFAIKQEVVTPDNMCMGRTSRGKLGGQDSFESIESYDSCDRLTQSW
SSQSSFNSLQRVPSYDSFDSEDYPAALPNHKPKGTFKDYVRDRADLNKDKPVIPAAALAGYTGSGPI
QLWQFLLELLTDKSCQSFISWTGDGWEFKLSDPDEVARRWGRKNKPKMNYEKL SRGLRYYYDKN
IIHKTAGKRYVYRFVCDLQSLLGYTPEELHAMLVDVKPDADE

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Protein C-ets-1 (p54) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Transcription factor (PubMed:10698492, PubMed:11909962). Directly controls the expression of cytokine and chemokine genes in a wide variety of different cellular contexts (PubMed:20378371). May control the differentiation, survival and proliferation of lymphoid cells (PubMed:20378371). May also regulate angiogenesis through regulation of expression of genes controlling endothelial cell migration and invasion (PubMed:15247905, PubMed:15592518).; [Isoform Ets-1 p27]: Acts as a dominant-negative for isoform c-ETS-1A.

Subcellular Localization: Nucleus . Cytoplasm . Note=Delocalizes from nucleus to cytoplasm when coexpressed with isoform Ets-1 p27.

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.