



Recombinant Protein Technical Manual
Recombinant Human TFAP2C/AP2-GAMMA Protein
(His Tag)
RPES1163

Product Data:

Product SKU: RPES1163

Size: 20µg

Species: Human

Expression host: E. coli

Uniprot: Q92754

Protein Information:

Molecular Mass: 12.3 kDa

AP Molecular Mass: 124 kDa

Tag: N-His

Bio-activity:

Purity: > 98 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: AP2-GAMMA;ERF1;hAP-2g;TFAP2G

Immunogen Information:

Sequence: Leu128-Val223

Background:

TFAP2C, also known as AP2-GAMMA, is a member of the activating protein 2 family of transcription factors. AP-2 factors bind to the consensus sequence 5'-GCCNNNGGC-3' and activate genes involved in a large spectrum of important biological functions including proper eye, face, body wall, limb and neural tube development. They also suppress a number of genes including MCAM/MUC18, C/EBP alpha and MYC. TFAP2C may be prognostic indicators for patients with breast tumors. TFAP2C gene has been tested for association to diseases (Breast Neoplasms; Carcinoma) and proposed to participate in processes (cell-cell signaling, male gonad development, regulation of transcription from RNA polymerase II promoter). Proteins are expected to have molecular functions (DNA binding, protein binding, protein dimerization activity, transcription factor activity) and to localize in various compartments (membrane, nucleus).