



Recombinant Protein Technical Manual
Recombinant Human Annexin A2/ANXA2 Protein
RPES2664

Product Data:

Product SKU: RPES2664

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P07355

Protein Information:

Molecular Mass: 38.6 kDa

AP Molecular Mass: 35 kDa

Tag:

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

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 a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 1mM EDTA, pH 7.5.

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

Application:

Synonyms: Annexin A2; Annexin II; Annexin-2; Calpactin I Heavy Chain; Calpactin Heavy Chain; Chromobindin-8; Lipocortin II; Placental Anticoagulant Protein IV; PAP-IV; Protein I; p36; ANXA2; ANX2; ANX2L4; CAL1H; LPC2D

Immunogen Information:

Sequence: Ser2-Asp339

Background:

Annexin A2 (ANXA2) is a member of the annexin family and has roles in the regulation of cellular growth and in signal transduction pathways. ANXA2 protein is associated with sickle cell osteonecrosis and the expression reduce of ANXA2 is associated with osteosarcoma metastases. ANXA2 functions as an autocrine factor, it can increases osteoclast formation and bone resorption. ANXA2 is involved in muscular dystrophies. In humans, the up-regulation of ANXA2 is related with colon adenocarcinoma cell differentiation.