



Recombinant Protein Technical Manual

Recombinant Human Annexin A8/ANXA8 Protein

RPES2747

Product Data:

Product SKU: RPES2747

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P13928

Protein Information:

Molecular Mass: 36.9 kDa

AP Molecular Mass: 36 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 PB, 150mM NaCl, pH 7.4.

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

Application:

Synonyms: Annexin A8; Annexin VIII; Annexin-8; Vascular Anticoagulant-Beta; VAC-Beta; ANXA8; ANX8

Immunogen Information:

Sequence: Met 1-Pro327

Background:

Annexin A8 (ANXA8) belongs to a family of calcium-dependent membrane and phospholipid binding proteins. Annexin A8 contains 4 annexin repeats separated by linking sequences of variable lengths. A pair of annexin repeats may form one binding site for calcium and phospholipid. ANXA8 is preferentially expressed in acute promyelocytic leukemia (APL) cells, which suggests its participation in hematopoietic cell differentiation. In addition, ANXA8 is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.