

Recombinant Human ANXA5/Annexin V/Annexin A5 Protein



Catalog Number:PKSH031601

Note: Centrifuge before opening to ensure complete recovery of vial contents.

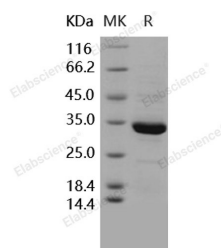
Description

Synonyms	ANXA5;Annexin V;Unconjugated Annexin V;Annexin-5;Anchorin CII;Calphobindin I;Endonexin II;Lipocortin V;Placental anticoagulant protein 4;Placental anticoagulant protein I;Thromboplastin inhibitor;Vascular anticoagulant-alpha
Species	Human
Expression Host	E.coli
Sequence	Met 1-Asp 320
Accession	P08758
Calculated Molecular Weight	36.8 kDa
Observed molecular weight	37 kDa
Tag	C-His

Properties

Purity	> 98 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 EU per µg of the protein as determined by the LAL method.
Storage	Generally, 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. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 98 % as determined by reducing SDS-PAGE.

Background

Peptidyl-prolyl cis-trans isomerase A; also known as PPIase A; Rotamase A; Cyclophilin A; Cyclosporin A-binding protein; PPIA and CYPA; is a cytoplasm protein which belongs to the cyclophilin-type PPIase family and PPIase A subfamily. Cyclophilins (CyPs) are a family of proteins found in organisms ranging from prokaryotes to humans. These molecules exhibit peptidyl-prolyl isomerase activity; suggesting that they influence the conformation of proteins in cells. PPIA / Cyclophilin A accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide

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bonds in oligopeptides. PPIA / Cyclophilin A is secreted by vascular smooth muscle cells in response to inflammatory stimuli; and could thus contribute to atherosclerosis. It is not essential for mammalian cell viability. PPIA / Cyclophilin A can interact with several HIV proteins; including p55 gag; Vpr; and capsid protein; and has been shown to be necessary for the formation of infectious HIV virions.

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