

Rev03
 Update: Dec,14,2021

DATASHEET

Annexin V, His, Human

Cat. No.: Z03362

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> Annexin V (Met1-Asp320) Accession # P08758 </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> Poly-His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	< 0.2 EU/μg of protein by gel clotting method
Expression System	E. coli
Apparent Molecular Weight	~36.8 kDa, on SDS-PAGE under reducing conditions.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 μg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Background

Target Background : ANXA5, also known as annexin V, is a member of the annexin family of calcium-dependent phospholipid binding proteins which are involved in membrane-related activity along exocytotic and endocytotic pathways. ANXA5 is a phospholipase A2 and protein kinase C inhibitory protein with calcium channel properties. It functions in signal transduction, inflammation, cell growth and differentiation. ANXA5 is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade. There are at least ten different annexins in the mammalian species. Annexins do not contain signal peptides, yet some annexins (A1, A2 and A5) appear to be secreted in a physiologically regulated fashion. The binding of labeled ANXA5 to phosphatidylserine is commonly used as a marker of apoptosis.

Synonyms : ANX5; ENX2; ANXA5; Annexin A5; Annexin-5; Annexin V; Lipocortin V; Endonexin II; Calphobindin I; CBP-I

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.