

Mouse ANXA2 Protein

Cat. No. ANX-ME102

Description

Source	Recombinant Mouse ANXA2 Protein is expressed from E.coli with His tag at the N-Terminus. It contains Ser2-Asp339.
Accession	P07356
Molecular Weight	The protein has a predicted MW of 39.6 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

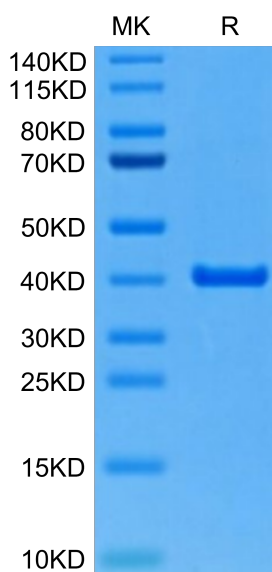
Formulation	Supplied as 0.22µm filtered solution in 20mM MES, 150mM NaCl, 200mM L-arginine, 5mM DTT (pH 5.5).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

ANXA2, highly expressed in invasive breast cancer cells, is closely related with poor prognosis, and acts as a molecular switch to EGFR activation. ANXA2 expression is inversely correlated with cell sensitivity to gefitinib. Knockdown of ANXA2 expression in MDA-MB-231 cells increased the gefitinib induced cell death. When ANXA2 was overexpressed in MCF7 cells, the gefitinib induced cell death was decreased. Furthermore, the phosphorylation of ANXA2 at Tyr23 is negatively correlated with the sensitivity of TNBC to gefitinib.

Assay Data

Bis-Tris PAGE



Mouse ANXA2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.