

41720. Human Annexin A8 (ANXA8)

Origin:	Recombinant	Cat. No.:	41720
Tag:	N-terminal 6xHis	Size:	0.1 mg
Source:	E.coli	Purity:	>90%
Other Names:	ANXA8	Species:	Human

Description

Expressed in E.coli cells with total 392 AA. Mw: 44.35 KDa (calculated). N-terminal 6xHis-tag, EK and TEV cleavage site, 44 extra AA (highlighted). Recombinant antigen for research use or manufacturing only.

Introduction to the Molecule

Annexin A8 (ANXA8) belongs to the annexin family of evolutionally conserved Ca²⁺ and phospholipid binding proteins. ANXA8 may function as an anticoagulant which inhibits the function of thromboplastin-specific complex in an indirect way. Overexpression of this gene has been shown to be associated with acute myelocytic leukemia. Human ANXA8 shares 92.661% sequence identity with rat ANXA8 and 92.094% with mouse ANXA8.

Amino Acid Sequence

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSLEENLYFQGAAWWKS~~WIEQEGVTV~~
~~KSSSHFNPDPAETLYKAMETKGIGTNEQAIIDVLT~~KRSNTQRQQA~~KSFKAQFGKDLTETL~~KSELSGK
 FERLIVALMETYPPYRYEAKELHDAMETKGLGTKEGVII~~EILASRTKNQLREIMETKAYEEDY~~GSSLEE
 DIQADTSGYLERILVCLLQGSRDDVSSFVDPGLALQDAQDLYAAGEKIRGTDEMETKFITILCTR~~SATH~~
 LLRVFEEYEKIANKSIEDSIKSETHGSLEEAMETLTVVKCTQNLHSYFAERLYYAMETKGAGTRDGT~~LI~~
 RNIVSRSEIDLNLIKCHF~~KKMETY~~GKTLSSMETIMETEDTSGDYKNALLSLVGS~~DP~~

Endotoxin Level: <0.2 EU per 1 µg of the protein by the LAL method.

Formulation: Lyophilized at 1 mg/mL in storage buffer (50mM Tris, 300-500mM NaCl, 10% Glycerol, PH8.0).

Reconstitution: Add deionized water to prepare a working stock solution of approximately 1 mg/mL and let the lyophilized pellet dissolve completely.

Storage: Store lyophilized protein at -20°C. Aliquot reconstituted protein and store at -80°C. Avoid repeated freezing /thawing cycles.

Quality Control Test

BCA to determine quantity of the protein.
 SDS PAGE to determine purity of the protein.

SDS-PAGE Gel
