

ANXA13 Protein, Canine, Recombinant (His)

General Information

Synonyms:	Annexin A13;Annexin XIII;Annexin-13;Intestine-specific annexin (ISA);ANXA13;ANX13
Protein Construction:	2-316 aa
Species:	Canine
Expression Host:	P. pastoris (Yeast)
Accession:	Q29471
Molecular Weight:	37.3 kDa (predicted)
AA Sequence:	GNRHAKAKSHHGFDVDHDAKLNKACKGMGTDEAAIIEILSSRTSDERQIQKYKATYGKDLEEVFKSDLS GNFEKTALALLDRPSEYDARQLQKAMKGLGTDEAVLIEILCTRTRNKEIMAIKEAYQRLFDRSLESVDVKADTSGN LKAILVSLQANRDEGDDVDKDLAQDAKDLVDAGDGRWGTDLAFNEVLAKRSHKQLRATFQAYQILIDK DIEEAIEAETSGDLQKAYLTLVRCARDQEGYFADRLYKSMKGTGTDEETLIHIIVTRAEVDLQGIKAKFQEKYQK SLSDMVRSDTSGDFQKLLVALLH

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Binds to membranes enriched in phosphatidylserine or phosphatidylglycerol in a calcium-dependent manner. Half-maximal membrane binding requires about 60 μM calcium. Does not bind to membranes that lack phospholipids with an acidic headgroup.; Binds to membranes enriched in phosphatidylserine or

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phosphatidylglycerol in a calcium-dependent manner, but requires higher calcium levels for membrane binding than isoform A. Half-maximal membrane binding requires about 320 μ M calcium. May play a role in vesicular traffic to the apical plasma membrane (Probable).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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