

Annexin A13/ANXA13 Protein, Dog (P.pastoris, His)

Cat. No.:	HY-P71714
Synonyms:	ANXA13; ANX13Annexin A13; Annexin XIII; Annexin-13; Intestine-specific annexin; ISA
Species:	Dog
Source:	P. pastoris
Accession:	Q29471 (2G-316H)
Gene ID:	403935
Molecular Weight:	Approximately 37.3 kDa

PROPERTIES

AA Sequence	<pre> GNRHAKAKSH HGFVDVDHDAK KLNKACKGMG TDEAAIIEIL SSRTSDERQQ IKQKYKATYG KDLEEVFKSD LSGNFEKTAL ALLDRPSEYD ARQLQKAMKG LGTDEAVLIE ILCTR TNKEI MAIKEAYQRL FDRSLES DVK ADTSGNLKAI LVSLLQANRD EGDDVDKDLA GQDAKDLYDA GDGRWGTDEL AFNEVLAKRS HKQLRATFQA YQILIDKDIE EAIEAETSGD LQKAYLTLVR CARDQEGYFA DRLYKSMKGT GTDEETLIHI IVTRA EVDLQ GIKAKFQEKY QKSLSDMVRS DTSGDFQKLL VALLH </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The FOLR1 protein plays a crucial role in cellular processes by binding to folate and reduced folic acid derivatives, facilitating the delivery of 5-methyltetrahydrofolate and folate analogs into the cell interior. With a high affinity for folate and its analogs under neutral pH conditions, the receptor undergoes a conformational change upon exposure to a slightly acidic pH post-endocytosis, leading to a significant reduction in its affinity for folates and subsequent release. This dynamic behavior contributes to its involvement in normal embryonic development and cell proliferation, highlighting its</p>
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importance in fundamental biological processes.

Caution: Product has not been fully validated for medical applications. For research use only.

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