



Recombinant Dog Annexin A4 (ANXA4)

Product Code	CSB-EP001845DO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P50994
Product Type	Recombinant Protein
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)
Purity	>85% (SDS-PAGE)
Sequence	AAKGGTVKP ASGFSATEDA QTLRKAMKGL GTDEDAIISV LAPRNTSQRQ EIRTAYKSTI GRDLMDDLKS ELSGNFERVI VGMITPTVLY DVQELRRAMK GSGTDEGCLI EILASRTPEE LRCINQTYQL QYGRSLEDVI RSDTSFMFQR VLVLSAGGR DEGNFLDDAL MRQDAQDLYE AGEKKWGTDE VKFLTVLCSR NRNHLHVFD EYKRISQKDI EQGIKSETSG SFEDALLAIV KCMRNKSAYF AERLYKSMKG LGTDDNTLIR VMVSRAEIDM MDIRESFKRL YGKSLYSFIK GDTSGDYRKV LLILCGGDD
Source	E.coli
Target Names	ANXA4
Protein Names	Recommended name: Annexin A4 Alternative name(s): 36 kDa zymogen granule membrane-associated protein Short name= ZAP36 Annexin IV Annexin-4 Lipocortin IV
Expression Region	2-319
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	Annexin IV (ANX4) belongs to the annexin family of calcium-dependent phospholipid binding proteins. Although their functions are still not clearly defined, several members of the annexin family have been implicated in membrane-related events along exocytotic and endocytotic pathways. ANX4 has 45 to 59% identity with other members of its family and shares a similar size and exon-intron organization. Isolated from human placenta, ANX4 encodes a protein that has possible interactions with ATP, and has in vitro anticoagulant activity and also inhibits phospholipase A2 activity. ANX4 is almost exclusively expressed in epithelial cells.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.