



# Recombinant Rat Annexin A6 (Anxa6)

<b>Product Code</b>	CSB-EP001847RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P48037
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AKIAQGAMY RGSVHDFADF DANQDAEALY TAMKGFSGSDK ESILELITSR SNKQRQEICQ SYKSLYGKDL IADLKYELTG KFERLIVNLM RPLAYCDAKE IKDAISGIGT DEKCLIEILA SRTNEQIHQL VAAYKDAYER DLESDIIGDT SGHFQKMLVV LLQGTRENDV VVSEDLVQQD VQDLYEAGEL KWGTDEAQFI YILGNRSKQH LRLVFDEYLK TTGKPIEASI RGELSGDFEK LMLAVVKCIR STPEYFAERL FKAMKGLGTR DNTLIRIMVS RSELDMLDIR EIFRTKYEKS LYSMIKNDTS GEYKALLKL CGGDDDAAGQ FFPEAAQVAY QMWELSAVSR VELKGTVRAA NDFNPDADAK GLRKAMKGIG TDEATIIDI TQRSNVQRQQ IRQTFKSHFG RDLMDLKSE ISGDLARLIL GLMPPAHYD AKQLKKAMEG AGTDEKALIE ILATRTNAEI RAINEAYKED YHKSLEDALS SDTSGHFKRI LISLATGNRE EGGENRDQAQ EDAQVAEIL EIADTPSGDK TSLETRFMTV LCTRSYPHLR RVFQEFIKKT NYDIEHVIKK EMSGDVKDAF VAIVQSVKNK PLFFADKLYK SMKGAGTDEK TLTRVMVRSR EIDLLNIRRE FIEKYDKSPH QAIEGDTSGD FMKALLALCG GED
<b>Source</b>	E.coli
<b>Target Names</b>	Anxa6
<b>Protein Names</b>	Recommended name: Annexin A6 Alternative name(s): Annexin VI Annexin-6 Calcium-binding protein 65/67 Short name= CBP 65/67
<b>Expression Region</b>	2-673
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	Annexin VI belongs to a family of calcium-dependent membrane and 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. The annexin VI gene is approximately 60 kbp long and contains 26 exons. It encodes a protein of about 68 kDa that consists of eight 68-amino acid repeats separated by linking sequences of variable lengths. It is highly similar to human annexins I and II sequences, each of which contain four such repeats. Exon 21 of annexin VI is alternatively spliced, giving rise to two isoforms that differ by a 6-amino acid insertion at the start of the seventh repeat. Annexin VI has been implicated in mediating the endosome aggregation and vesicle fusion in



secreting epithelia during exocytosis.

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**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.

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**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.