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**Product Data Sheet**


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Product Name: ANXA6 Human  
 Cat. No.: GP22736  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ANX6; ANXA6; Annexin-VI; Lipocortin-6; Lipocortin-VI; Annexin-6; CPB-II; Annexin A6; p68; p70; Protein III; Chromobindin-20; 67 kDa calelectrin; Calphobindin-II; CBP68.		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MAKPAQGAKY RGSIHDFPGF DPNQDAEALY          TAMKGFSDK EAILDIITSR SNRQRQEVQC SYKSLYGKDL IADLKYELTG          KFERLIVGLM RPPAYCDAKE IKDAISGIGT DEKCLIEILA SRTNEQMHQL          VAAYKDAYER DLEADIIGDT SGHFQKMLVV LLQGTREEDD VVSEDLVQQD          VQDLYEAGEL KWGTDEAQFI YILGNRSKQH LRLVFDEYLK TTGKPIEASI          RGELSGDFEK LMLAVVKCIR STPEYFAERL FKAMKGLGTR DNTLRIMVS          RSELDMLDIR EIFRTKYEKS LYSMIKNDTS GEYKKTLLKL SGGDDDAAGQ          FFPEAAQVAY QMWELSAVAR VELKGTVRPA DFNPDADAK ALRKAMKGLG          TDEDTIIDII THRSNVQRQQ IRQTFKSHFG RDLMTDLKSE ISGDLARLIL          GLMPPAHYD AKQLKKAMEG AGTDEKALIE ILATRTNAEI RAINEAYKED          YHKSLEDALS SDTSGHFRR LSLATGHRE EGGENLDQAR EDAQVAAEIL          EIADTPSGDK TSLETRFMTI LCTRSYPHLR RVFQEFIKMT NYDVEHTIKK          EMSGDVRDAF VAIVQSVKNK PLFFADKLYK SMKGAGTDEK TLTRIMVSRS          EIDLLNIRRE FIEKYDKSLH QAIEGDTSGD FLKALLALCG GED.</p>		
Formulation	The ANXA6 protein solution contains 20mM Tris-HCl, pH-8, 0.1M NaCl and 10% glycerol.		

**Introduction**

ANXA6 is part of the family of calcium-dependent membrane and phospholipid binding proteins. ANXA6 mediates the endosome aggregation and vesicle fusion in secreting epithelia during exocytosis. ANXA6 correlates with CD21. ANXA6 regulates the release of Ca(2+) from intracellular stores. ANXA6 is differentially expressed in the lumbar spinal

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

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cord from rats submitted to peripheral lesion during neonatal period.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

ANXA6 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 693 amino acids (1-673 a.a.) and having a molecular mass of 78 kDa. ANXA6 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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