Recombinant human Annexin A6/ANXA6 protein

Catalog Number: ATGP0459

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-673aa

UniProt No.
P08133

NCBI Accession No.
NP_001146.2

Alternative Names
ANXA6, ANX6, CBP68, 67 kDa calelectrin, Annexin A6, Annexin VI p68, AnnexinA6, AnnexinVI, ANX 6, ANX A6, ANXA 6, Calcium binding protein p68, Calelectrin, Calphobindin II, CalphobindinII, CBP 68, Chromobindin 20, Chromobindin20, CPB II, CPBII, Lipocortin VI, LipocortinVI, p68, P70, Protein III, ProteinIII.

PRODUCT SPECIFICATION

Molecular Weight
78.0 kDa (693aa)

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Annexin A6 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. Annexin6 has been implicated in mediating the endosome aggregation and vesicle fusion in secreting epithelia during exocytosis. Recombinant

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Annexin A6 protein was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

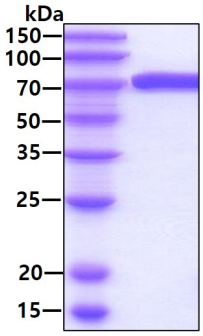
<MGSSHHHHHH SSGLVPRGSH> MAKPAQGAKY RGSIHDFPGF DPNQDAEALY TAMKGFGSDK EAILDIITSR SNRQRQEVCQ SYKSLYGKDL IADLKYELTG KFERLIVGLM RPPAYCDAKE IKDAISGIGT DEKCLIEILA SRTNEQMHQL VAAYKDAYER DLEADIIGDT SGHFQKMLVV LLQGTREEDD VVSEDLVQQD VQDLYEAGEL KWGTDEAQFI YILGNRSKQH LRLVFDEYLK TTGKPIEASI RGELSGDFEK LMLAVVKCIR STPEYFAERL FKAMKGLGTR DNTLIRIMVS RSELDMLDIR EIFRTKYEKS LYSMIKNDTS GEYKKTLLKL SGGDDDAAGQ FFPEAAQVAY QMWELSAVAR VELKGTVRPA NDFNPDADAK ALRKAMKGLG TDEDTIIDII THRSNVQRQQ IRQTFKSHFG RDLMTDLKSE ISGDLARLIL GLMMPPAHYD AKQLKKAMEG AGTDEKALIE ILATRTNAEI RAINEAYKED YHKSLEDALS SDTSGHFRRI LISLATGHRE EGGENLDQAR EDAQVAAEIL EIADTPSGDK TSLETRFMTI LCTRSYPHLR RVFQEFIKMT NYDVEHTIKK EMSGDVRDAF VAIVQSVKNK PLFFADKLYK SMKGAGTDEK TLTRIMVSRS EIDLLNIRRE FIEKYDKSLH QAIEGDTSGD FLKALLALCG GED

General References

Benz J., et al. (1996) J. Mol. Biol. 260:638-643
Takagi H., et al. (2003) J. Cell. Sci. 115:3309-18.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.