Recombinant Human ANXA6, His-tagged

Cat. No. ANXA6-27321TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-673 of Human Annexin VI with an N terminal His tag. Predicted mwt: 78 kDa;
Species	Human
Source	E.coli
ProteinLength	1-673 a.a.
Description	Annexin VI belongs to a family of calcium-dependent membrane and phospholipid binding proteins. 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. Annexin VI has been implicated in mediating the endosome aggregation and vesicle fusion in secreting epithelia during exocytosis. Alternatively spliced transcript variants have been described.
Conjugation	HIS
Form	Liquid
Purity	>90% by SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MAKPAQGAKY RGSIHDFPGFDPNQDAEALY TAMKGFGSDK EAILDIITSR SNRQRQEVCQSYKSLYGKDL IADLKYELTG KFERLIVGLM RPPAYCDAKEIKDAISGIGT DEKCLIEILA SRTNEQMHQL VAAYKDAYERDLEADIIGDT SGHFQKMLVV LLQGTREEDD VVSEDLVQQDVQDLYEAGEL KWGTDEAQFI YILGNRSKQH LRLVFDEYLKTTGKPIEASI RGELSGDFEK LMLAVVKCIR STPEYFAERLFKAMKGLGTR DNTLIRIMVS RSELDMLDIR EIFRTKYEKSLYSMIKNDTS GEYKKTLLKL SGGDDDAAGQ FFPEAAQVAYQMWELSAVAR VELKGTVRPA NDFNPDADAK ALRKAMKGLGTDEDTIIDII THRSNVQRQQ IRQTFKSHFG RDLMTDLKSEISGDLARLIL GLMMPPAHYD AKQLKKAMEG AGTDEKALIEILATRTNAEI RAINEAYKED YHKSLEDALS SDTSGHFRRILISLATGHRE EGGENLDQAR EDAQVAAEIL EIADTPSGDKTSLETRFMTI LCTRSYPHLR RVFQEFIKMT NYDVEHTIKKEMSGDVRDAF VAIVQSVKNK PLFFADKLYK SMKGAGTDEKTLTRIMVSRS EIDLLNIRRE FIEKYDKSLH QAIEGDTSGDFLKALLALCG GED
Sequence Similarities	Belongs to the annexin family.Contains 8 annexin repeats.
Full Length	Full L.

GENE INFORMATION

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Gene Name	ANXA6 annexin A6 [Homo sapiens]
Official Symbol	ANXA6
Synonyms	ANXA6; annexin A6; ANX6;
Gene ID	309
mRNA Refseq	NM_001155
Protein Refseq	NP_001146
MIM	114070
Uniprot ID	P08133
Chromosome Location	5q33.1
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Prostaglandin Synthesis and Regulation, organism-specific biosystem;
Function	calcium ion binding; calcium-dependent phospholipid binding; protein binding;

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