

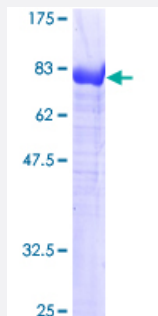
Full-Length

ANXA6 (Human) Recombinant Protein (P01)

Catalog # H00000309-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ANXA6 full-length ORF (AAH17046, 1 a.a. - 673 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAKPAQGAKYRGSIHDFPGFDPNQDAEALYTAMKGFSGDKEAILDITSRSNRQRQEVCSYKSL
YKGLIADLKYEELTGKFERLVGLMRPPAYCDAKEIKDAISGIGTDEKCLIEILASRTNEQMHQLVAAY
KDAYERDLEADIIGDTS GHFQKMLVLLQG TREEDDVVSEDLVQQDVQDLYEAGELKWGTDEAQ
FYILGNRSKQHLRLVFDEYLKTTGKPIEASIRGELSGDFEKLMLAVVKCIRSTPEYFAERLFKAMKG
LGTRDNTLIRIMVSRSELDMLDIREIFRTKYEKSLSYMIKNDTSGEYKKTLLKLSGGDDDAAGQFFPE
AAQVAYQMWELSAVARVELKGTVRPANDFNPDADAKALRKAMKGLGTDEDTIIDIITHRSNVQRQ
QIRQTFKSHFGRDLMTDLKSEISGDLARLILGLMMPPAHYDAKQLKKAMEGAGTDEKALIEILATRT
NAEIRAINAEYKEDYHKSLEDALSSDTS GHFRRILISLATGHREEGGENLDQAREDAQVAEILEIAD
TPSGDKTSLETRFMILCTRSYPHLRRVFQEFIKMTNYDVEHTIKKEMSGDVRDAFVAMQSVKNKP
LFFADKLYKSMKGAGTDEKTLTRIMVSRSEIDLLNIRREFIEKYDKSLHQAIEGDTSGDFLKALLALC
GGED

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

99.55

Interspecies Antigen Sequence

Mouse (94); Rat (95)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ANXA6

Entrez GeneID	309
GeneBank Accession#	BC017046
Protein Accession#	AAH17046
Gene Name	ANXA6
Gene Alias	ANX6, CBP68
Gene Description	annexin A6
Omim ID	114070
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

annexin VI|annexin VI (p68)|calcium-binding protein p68|calelectrin|calphobindin II

Publication Reference

- [Prostate cancer biomarker annexin A3 detected in urines obtained following digital rectal examination presents antigenic variability.](#)

Hamelin-Peyron C, Vlaeminck-Guillem V, Haïdouk H, Schwall GP, Poznanović S, Gorius-Gallet E, Michel S, Larue A, Guillotte M, Ruffion A, Choquet-Kastylevsky G, Ataman-Önal Y.

Clinical Biochemistry 2014 Jul; 47(10-11):901.

Application: ELISA, Func, WB-Re, Human, Human urine

Disease

- [Femur Head Necrosis](#)
- [Genetic Predisposition to Disease](#)