

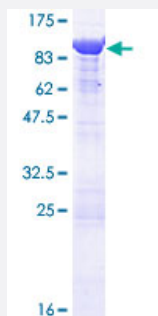
## Full-Length

# ANXA6 (Human) Recombinant Protein (P02)

Catalog # H00000309-P02

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human ANXA6 full-length ORF ( NP\_001146.2, 1 a.a. - 673 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MAKPAQGAKYRGSIHDFPGFDPNQDAEALYTAMKGFSGDKEAILDITSRSNRQRQEVCSYKSL  
YKGLIADLKYEITGKFERLVGLMRPPAYCDAKEIKDAISGIGTDEKCLIEILASRTNEQMHQLVAAY  
KDAYERDLEADIIGDTS GHFQKMLVLLQG TREEDDVVSEDLVQQDVQDLYEAGELKWGTDEAQ  
FYILGNRSKQHLRLVFDEYLKTTGKPIEASIRGELSGDFEKLMLAVVKCIRSTPEYFAERLFKAMKG  
LGTRDNTLIRIMVSRSELDMLDIREIFRTKYEKSLSYMIKNDTSGEYKKTLLKLSGGDDDAAGQFFPE  
AAQVAYQMWELSAVARVELKGTVRPANDFNPDADAKALRKAMKGLGTDEDTIIDIITHRSNVQRQ  
QIRQTFKSHFGRDLMTDLKSEISGDLARLILGLMMPPAHYDAKQLKKAMEGAGTDEKALIEILATRT  
NAEIRAINAEYKEDYHKSLEDALSSDTS GHFRRILISLATGHREEGGENLDQAREDAQVAEILEIAD  
TPSGDKTSLETRFMTILCTRSYPHLRRVFQEFIKMTNYDVEHTIKKEMSGDV RDAFVAMQSVKNKP  
LFFADKLYKSMKGAGTDEKTLTRIMVSRSEIDLLNIRREFIEKYDKSLHQAIEGDTSGDFLKALLALC  
GGED

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

102.3

### 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	<a href="#">309</a>
GeneBank Accession#	<a href="#">NM_001155.3</a>
Protein Accession#	<a href="#">NP_001146.2</a>
Gene Name	ANXA6
Gene Alias	ANX6, CBP68
Gene Description	annexin A6
Omim ID	<a href="#">114070</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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

**Disease**

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