

## Recombinant Human ANXA, His-tagged

**Cat. No.** ANXA6-9699H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ANXAHis-tag, was expressed in E.coli and purified by Ni-sepharose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | C-term-350a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | 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. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | ANXA6 annexin A6 [ Homo sapiens ]                                                                                                                                                                              |
| <b>Official Symbol</b>     | ANXA6                                                                                                                                                                                                          |
| <b>Synonyms</b>            | ANXA6; annexin A6; ANX6; p68; p70; CPB-II; annexin-6; calelectrin; lipocortin VI; calphobindin II; calphobindin-II; chromobindin-20; annexin VI (p68); 67 kDa calelectrin; calcium-binding protein p68; CBP68; |
| <b>Gene ID</b>             | 309                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | NM_001155                                                                                                                                                                                                      |
| <b>Protein Refseq</b>      | NP_001146                                                                                                                                                                                                      |
| <b>MIM</b>                 | 114070                                                                                                                                                                                                         |
| <b>UniProt ID</b>          | P08133                                                                                                                                                                                                         |
| <b>Chromosome Location</b> | 5q33.1                                                                                                                                                                                                         |
| <b>Pathway</b>             | Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Prostaglandin Synthesis and Regulation, organism-specific biosystem;                                                                      |
| <b>Function</b>            | calcium ion binding; calcium-dependent phospholipid binding; protein binding;                                                                                                                                  |

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