

Recombinant Human Annexin A3, His-tagged

Cat. No. ANXA3-5260H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinanthuman ANXA3 was expressed in E.coli with an N-terminal Histag.
Species	Human
Source	E.coli
Description	AnnexinIII (ANXA3), otherwise known as Lipocortin III, is a calcium-dependent phospholipid-binding protein and member of the annexin family, which acts as an inhibitor of phospholipase A2, and is involved in the cleavage of inositol 1, 2 cyclic phosphate to form inositol 1 phosphate. Studies have shown that quantification of ANXA3 in patient urine can be used as a novel non-invasive biomarker for prostatic cancer, complementary to prostate specific antigen.
Form	Purified recombinant protein-liquid.
Application	ELISA; West Blotting
Preparation	Purified recombinant 6x His-tagged ANXA3 expressed in E.coli.
Buffer Solution	Phosphate buffered saline.
Molecular Weight	39.5 kD(351 amino acid residues with tag).
Concentration	0.5mg/ml

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 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Store at -70oC.Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Pathways Prostaglandin Synthesis and Regulation

GENE INFORMATION

Gene Name [ANXA3 annexin A3 \[Homo sapiens \]](#)

Official Symbol [ANXA3](#)

Synonyms ANXA3;annexin A3;ANX3; annexinA3; PAP-III; annexin-3; lipocortin III; OTTHUMP00000160701;OTTHUMP00000219237; OTTHUMP00000219238; 35-alpha calcimedlin; calcimedlin35-alpha; Annexin III (lipocortin III); placental anticoagulant protein III;inositol 1,2-cyclic phosphate 2-phosphohydrolase; annexin III (lipocortinIII, 1,2-cyclic-inositol-phosphate phosphodiesterase, placental anticoagulantprotein III, calcimedlin 35-alpha)

Gene ID [306](#)

mRNA Refseq [NM_005139](#)

Protein Refseq [NP_005130](#)

MIM [106490](#)

UniProt ID [P12429](#)

Chromosome 4q21.21

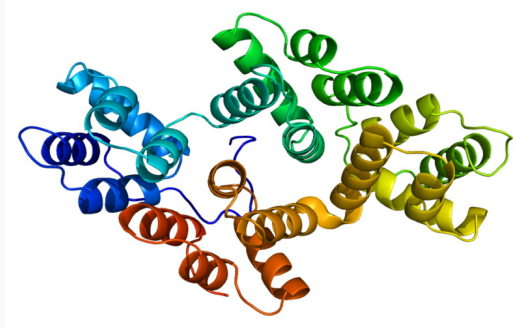
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Location**Function**

calcium ion binding;calcium-dependent phospholipid binding; phospholipase A2 inhibitor activity

PDB rendering based on 1aii.

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