

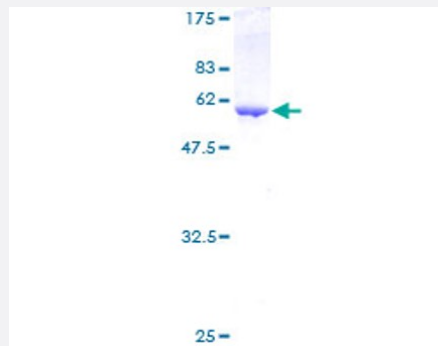
Full-Length

ANXA5 (Human) Recombinant Protein (P01)

Catalog # H00000308-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ANXA5 full-length ORF (AAH01429, 1 a.a. - 320 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAQVLRGTVTDFPGFDERADAETLRKAMKGLGTDEESILTLLTSRSNAQRQEISAAFKTLFGRDLLDDLKSELTGKFEKLVALMKPSRLYDAYELKHALKGAGTNEKVLTEIIASRTPEELRAIKQVYEEYGGSSLEDDVVGDTSGYYQRMVLVLLQANRDPDAGIDEAQVEQDAQALFQAGELKWGTDEEKFITIFGTRSVSHLRKVFVKYMTISGFQIEETIDRETSGNLEQLLLAVVKSIRSIPAYLAETLYYAMKGAGTDDHTLIRVMVSRSEIDLFNIRKEFRKNFATSLYSMIKGDTS GDYKKALLLCGEDD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	60.94
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 — ANXA5

Entrez GeneID [308](#)

GeneBank Accession# [BC001429](#)

Protein Accession# [AAH01429](#)

Gene Name ANXA5

Gene Alias ANX5, ENX2, PP4

Gene Description annexin A5

Omim ID [131230](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to the annexin family of calcium-dependent phospholipid binding proteins some of which have been implicated in membrane-related events along exocytotic and endocytotic pathways. Annexin 5 is a phospholipase A2 and protein kinase C inhibitory protein with calcium channel activity and a potential role in cellular signal transduction, inflammation, growth and differentiation. Annexin 5 has also been described as placental anticoagulant protein I, vascular anticoagulant-alpha, endonexin II, lipocortin V, placental protein 4 and anchorin CII. The gene spans 29 kb containing 13 exons, and encodes a single transcript of approximately 1.6 kb and a protein product with a molecular weight of about 35 kDa. [provided by RefSeq]

Other Designations anchorin CII|annexin 5|endonexin III|lipocortin V|placental anticoagulant protein I

Publication Reference

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

Hamelin-Peyron C, Vlaeminck-Guillem V, Haïdous 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

- [Abortion](#)
- [Antiphospholipid Syndrome](#)
- [Atherosclerosis](#)
- [Cerebral Palsy](#)
- [Death](#)
- [Femur Head Necrosis](#)
- [Fetal Death](#)
- [Fetal Growth Retardation](#)
- [Genetic Predisposition to Disease](#)
- [Hemorrhagic Disorders](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Lupus Erythematosus](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Renal Insufficiency](#)
- [Thrombosis](#)

- [Venous Thrombosis](#)
- [Werner syndrome](#)