

# Product information

## Anxa5, 1-319aa

Mouse, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP3060

**Full name:** Annexin A5

**NCBI Accession No.:** NP\_033803

**Synonyms:** Anx5, R74653

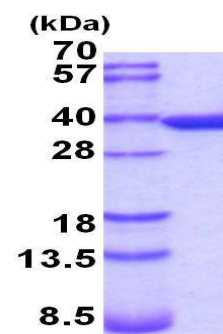
**Description:** Anxa5 also known as Annexin A5. Annexin A5, belongs to the annexin family of calcium-dependent phospholipid binding proteins some of which have been implicated in membrane-related events along exocytotic and endocytotic pathways. Anxa5 is a phospholipase A2 and protein kinase C inhibitory protein with calcium channel activity and a potential role in cellular signal transduction, inflammation, growth and differentiation. This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade. Recombinant mouse Anxa5, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline containing 10% glycerol, 1mM DTT

**Molecular Weight:** 38.1kDa (342aa) confirmed by MALDI-TOF

**Purity:** > 95% by SDS - PAGE

**Concentration:** 1mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSP MGSMTARGTV TDFPGFDGRA DAEVLRKAMK GLGTDEDSIL NLLTSRSNAQ RQEIAQEFKT LFGRDLVDDL  
KSELTGKFEK LIVAMMKPSR LYDAYELKHA LKGAGTDEKV LTEIIASRTP EELSAIKQVY EEEYGSNLED DVVGDTSGYY QRMLVVLLQA  
NRDPOTAIDD AQVELDAQAL FQAGELKWT DEEFITIFG TRSVSHLRRV FDKYMTISGF QIETIDRET SGNLEQLLLA VVKSIRSIPA  
YLAETLYYAM KGAGTDDHTL IRVVVSRSEI DLFNIRKEFR KNFATSLYSM IKGDTSGDYK KALLLLCGGE DD

### General references:

Jeong JJ., *et al.* (2014) *J. Biol. Chem.* 289 (4), 2469-2481

Liu BC., *et al.* (2013) *Am. J. Physiol. Renal Physiol.* 305 (3), F304-F313

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**