

Recombinant Rat Anxa2 Protein, His-tagged

Cat. No. Anxa2-165R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Anxa2 Protein (Asn41-Asp182) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Asn41-Asp182
Description	Enables bone sialoprotein binding activity; phosphatidylinositol-4,5-bisphosphate binding activity; and small GTPase binding activity. Involved in several processes, including positive regulation of fibroblast proliferation; protein localization to plasma membrane; and response to thyroid hormone. Located in several cellular components, including macropinosome; membrane raft; and ruffle. Part of protein-containing complex. Bio marker of hyperthyroidism; hypothyroidism; and renal cell carcinoma. Human ortholog(s) of this gene implicated in osteonecrosis. Orthologous to several human genes including ANXA2 (annexin A2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.4 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

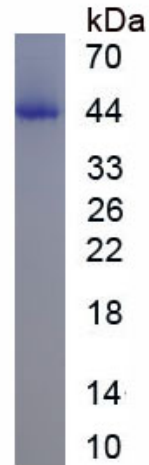
GENE INFORMATION

Gene Name	Anxa2 annexin A2 [Rattus norvegicus (Norway rat)]
Official Symbol	Anxa2
Synonyms	ANXA2; annexin A2; p36; PAP-IV; annexin-2; protein I; lipocortin II; chromobindin-8; calpactin I heavy chain; calpactin-1 heavy chain; placental anticoagulant protein IV; ANX2
Gene ID	56611
mRNA Refseq	NM_019905
Protein Refseq	NP_063970
UniProt ID	Q07936

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