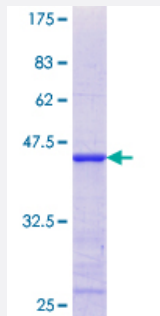


# AKAP7 (Human) Recombinant Protein (Q01)

Catalog # H00009465-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human AKAP7 partial ORF ( NP_057461.1, 2 a.a. - 115 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	SEEF EANTMDSLVDMPFATVDIQDDCGITDEPQINLKRSQENEWVKSDQVKKRKKRKYQPNY FLSIPITNKEIKGKILQNAIIQQDERLAKAMVSDGSFHITLLVMQLLN
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	38.28
<b>Interspecies Antigen Sequence</b>	Mouse (75)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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 — AKAP7

Entrez GeneID [9465](#)

GeneBank Accession# [NM\\_016377](#)

Protein Accession# [NP\\_057461.1](#)

Gene Name AKAP7

Gene Alias AKAP18

Gene Description A kinase (PRKA) anchor protein 7

Omim ID [604693](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a member of the A-kinase anchoring protein (AKAP) family, a group of functionally related proteins that bind to a regulatory subunit (RII) of cAMP-dependent protein kinase A (PKA) and target the enzyme to specific subcellular compartments. AKAPs have a common RII-binding domain, but contain different targeting motifs responsible for directing PKA to distinct intracellular locations. Three alternatively spliced transcript variants encoding different isoforms have been described. Additional variants exist, but their full-length natures have not been determined. [provided by RefSeq]

**Other Designations** A-kinase anchor protein 7|A-kinase anchor protein 7 isoform alpha|A-kinase anchor protein 7, isoform alpha|A-kinase anchor protein 9 kDa|A-kinase anchor protein, 18-kD|A-kinase anchoring protein 18|OTTHUMP00000017200|OTTHUMP00000017201|OTTHUMP00000017202|

## Disease

- [Tobacco Use Disorder](#)