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# Product datasheet for AR50351PU-N

## AKAP7 alpha/beta (1-81, His-tag) Human Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | AKAP7 alpha/beta (1-81, His-tag) human recombinant protein, 0.25 mg |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | MGSSHHHHHH SSGLVPRGSH MGSHMGQLCC FPFSRDEGKI SEKNGGEPDD AELVRLSKRL VENAVLKAVQ QYLEETQNKN KPGEGSSVKT EAADQNGNDN ENNRK |
| **Tag:** | His-tag |
| **Predicted MW:** | 11.5 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >90% by SDS - PAGE |
| **Buffer:** | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer, pH 8.0, 10% glycerol, 1 mM DTT, 50 mM NaCl |
| **Preparation:** | Liquid purified protein |
| **Protein Description:** | Recombinant human AKAP7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| **Storage:** | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **RefSeq:** | NP_004833 |
| **Locus ID:** | 9465 |
| **UniProt ID:** | O43687, Q2TAJ5, Q6P4D3 |
| **Cytogenetics:** | 6q23.2 |
| **Synonyms:** | AKAP15; AKAP18 |

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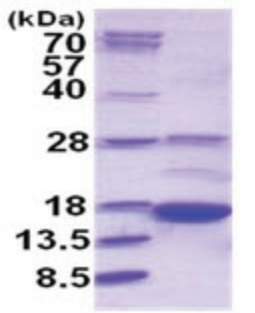
**Summary:** This gene encodes a member of the A-kinase anchoring protein (AKAP) family, a group of functionally related proteins that bind to a regulatory subunit (RII) of cAMP-dependent protein kinase A (PKA) and target the enzyme to specific subcellular compartments. AKAPs have a common RII-binding 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.[provided by RefSeq, Apr 2011]

**Protein Families:** Druggable Genome

## Product images:



15% SDS-PAGE (3ug)