

## Product datasheet for TP313040

### AKAP7 (NM\_004842) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human A kinase (PRKA) anchor protein 7 (AKAP7), transcript variant alpha, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213040 representing NM_004842 <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MGQLCCFPFSRDEGKISEKNGGEPDDAELVRLSKRLVENAVLKAVQQYLEETQNKKNKPGEGSSVKTEAAD QNGNDNENNRK  <span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-Myc/DDK
Predicted MW:	8.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_004833</a></u>
Locus ID:	9465
UniProt ID:	<u><a href="#">O43687</a></u> , <u><a href="#">Q2TAJ5</a></u> , <u><a href="#">Q6P4D3</a></u>
RefSeq Size:	2279


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**Cytogenetics:** 6q23.2

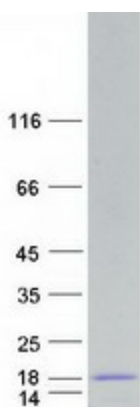
**RefSeq ORF:** 243

**Synonyms:** AKAP15; AKAP18

**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:



Coomassie blue staining of purified AKAP7 protein (Cat# TP313040). The protein was produced from HEK293T cells transfected with AKAP7 cDNA clone (Cat# [RC213040]) using MegaTran 2.0 (Cat# [TT210002]).