

Product datasheet for **TP313040L**

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, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213040 representing NM_004842 Red =Cloning site Green =Tags(s)
	MGQLCCFPFSRDEGKISEKNGGEPDDAELVRLSKRLVENAVLKAVQQYLEETQNKNKPGEGSSVKTEAAD QNGNDNENNRK
	TR TRPLEQKLISEEDLAANDILDYKDDDDKV
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>NP_004833</u>
Locus ID:	9465
UniProt ID:	<u>O43687</u> , <u>Q2TAJ5</u> , <u>Q6P4D3</u>
RefSeq Size:	2279



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Cytogenetics: 6q23.2

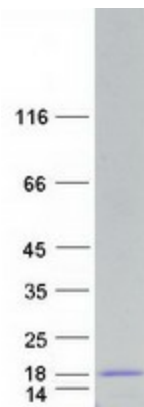
RefSeq ORF: 243

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]).