

Product datasheet for TP524507

Akap7 (NM_018747) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse A kinase (PRKA) anchor protein 7 (Akap7), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224507 representing NM_018747 Red =Cloning site Green =Tags(s)
	MPFAAVDIQDDCGSPDVPQANPKRSKEEEEDRGDKNDHVKKRKKAKKDYQPNYFLSIPITNKKITGIV LQNSILQQDKRLTKAMVGDGSGFHITLLVMQLLNEDEVNIGTDALLELKPVEEILEGKHLALPFQIGITF QGQVGFVKLADGDHVSALLEIAETAARTFREKILAGESRTFKPHLTFMKLKAPMLRKKGVRKIEPLY EQFIDHRFGEELLYQIDLCSMLKKKQSNNGYYHCESSIVIGEKDRREPEDAELVRLSKRLVENAVLKAVQQ YLEETQNKKQPGEGNSTKAEEDRNGDGSNNRK
	TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	35.9 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
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 after receiving vials.
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:	NP_061217
Locus ID:	432442
UniProt ID:	Q7TN79



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RefSeq Size: 3140

Cytogenetics: 10 A4

RefSeq ORF: 942

Synonyms: 6430401D08; AI662165; AKAP15; Akap18; BB170514

Summary: Targets the cAMP-dependent protein kinase (PKA) to the plasma membrane, and permits functional coupling to the L-type calcium channel. The membrane-associated form reduces epithelial sodium channel (ENaC) activity, whereas the free cytoplasmic form may negatively regulate ENaC channel feedback inhibition by intracellular sodium (By similarity).
[UniProtKB/Swiss-Prot Function]