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Product datasheet for TP516726

Acvr1c (NM_001033369) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse activin A receptor, type IC (Acvr1c), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR216726 representing NM_001033369 Red=Cloning site Green=Tags(s) MLTNGKEQVIKSCVSLPELNAQVFCHSSNNVTKTECCFTDFCNNITLHLPTGLPLLVQRTIARTIVLQEI VGKGRFGEVWHGRWCGEDVAVKIFSSRDERSWFREAEIYQTVMLRHENILGFIAADNKDNGTWTQLWLVS EYHEQGSLYDYLNRNIVTVAGMVKLALSIASGLAHLHMEIVGTQGKPAIAHRDIKSKNILVKKCDTCAIA DLGLAVKHDSIMNTIDIPQNPKVGTKRYMAPEMLDDTMNLSIFESFKRADIYSVGLVYWEIARRCSVGGV VEEYQLPYYDMVPSDPSIEEMRKVVCDQKLRPNLPNQWQSCEALRVMGRIMRECWYANGAARLTALRVKK TISQLCVKEDCKA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	41.6 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_001028541
Locus ID:	269275
UniProt ID:	Q3V348

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RefSeq Size:	8666
Cytogenetics:	2 C1.1
RefSeq ORF:	1089
Synonyms:	ACTR-IC; ACVRLK7; Alk-7; ALK7; C230097P10
Summary:	Serine/threonine protein kinase which forms a receptor complex on ligand binding. The receptor complex consisting of 2 type II and 2 type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators, SMAD2 and SMAD3. Receptor for activin AB, activin B and NODAL. Plays a role in cell differentiation, growth arrest and apoptosis. [UniProtKB/Swiss-Prot Function]