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Product datasheet for TP518765

Scin (NM_009132) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse scinderin (Scin), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218765 representing NM_009132 Red=Cloning site Green=Tags(s) MAQELQHPEFARAGQQAGLQVWRVEKLELVPVPQGAYGDFYVGDAYLVLHTTKSSRGFSYRLHFWLGKEC SQDESTAAAIFTVQMDDYLGGKPVQSRELQGYESTDFVGYFKGGLKYKAGGVASGLNHVLTNDLTAKRLL HVKGRRVVRATEVPLSWESFNKGDCFIIDLGTEIYQWCGSSCNKYERLKASQVAIGIRDNERKGRSQLIV VEEGSEPSELMKVLGRKPELPDGDNDDDVVADISNRKMAKLYMVSDASGSMKVTLVAEENPFSMGMLLSE ECFILDHGAAKQIFVWKGKNANPQERKTAMKTAEEFLQKMKYSTNTQIQVLPEGGETPIFKQFFKDWKDK DQSDGFGKVYITEKVAQIKQIPFDASKLHSSPQMAAQHNMVDDGSGGVEIWRVENSGRVQIDPSSYGEFY GGDCYIILYTYPRGQIIYTWQGANATRDELTMSAFLTVQLDRSLGGQAVQVRVSQGKEPAHLLSLFKDKP LIIYKNGTSKKEGQAPAPPTRLFQVRRNLASITRIVEIEEVPGEFTQDDLAEDDVMLLDAWEQIFIWIGK DANEVEKKESVKSAKMYLETDPSGRDKRTPIVIIKQGHEPPTFTGWFLGWDSSRW TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	69.6 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.

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RefSeq:	NP_033158
Locus ID:	20259
UniProt ID:	Q60604, Q3UWV5
RefSeq Size:	2708
Cytogenetics:	12 B1
RefSeq ORF:	1845
Synonyms:	adseverin; AW545522
Summary:	Ca(2+)-dependent actin filament-severing protein that has a regulatory function in exocytosis by affecting the organization of the microfilament network underneath the plasma membrane (PubMed:9671468). Severing activity is inhibited by phosphatidylinositol 4,5-bis-phosphate (PIP2) (By similarity). In vitro, also has barbed end capping and nucleating activities in the presence of Ca(2+) (PubMed:9671468). Required for megakaryocyte differentiation, maturation, polyploidization and apoptosis with the release of platelet-like particles (By similarity). Plays a role in osteoclastogenesis (OCG) and actin cytoskeletal organization in osteoclasts (PubMed:25275604, PubMed:25681458). Regulates chondrocyte proliferation and differentiation (By similarity). Inhibits cell proliferation and tumorigenesis. Signaling is mediated by MAPK, p38 and JNK pathways (By similarity).[UniProtKB/Swiss-Prot Function]