

Product datasheet for TP524978

Siah2 (NM_009174) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse siah E3 ubiquitin protein ligase 2 (Siah2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224978 representing NM_009174 Red=Cloning site Green=Tags(s)
	MSRPSSTGPSANKPCSKQPPPPQTPHAPSPAAPPAATISAAGPGSSAVPAAAAVISGPGAGGGADPVSP QHHELTSLFECPCFDYVLPPIQCQAGHLVCNQCQRQKLSCCPTCRGALTPSIRNLAMEKVASAVLFPCK YATTGCSLTLHHTEKPEHEDICEYRYPYSCPCPGASCKWQGSLEAVMSHLMHAHKSITTLQGEDIVFLATD INLPGAVDWVMMQSCFGHHFMLVLEKQEKYEGHQFFAIVLLIGTRKQAEFAYRLELNGNRRRLTWEAT PRSIHDGVAAAAIMNSDCLVFDTAIAHLFADNGNLGINVTISTCCQ
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	35.2 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_033200
Locus ID:	20439
UniProt ID:	Q06986 , Q3UEV2



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RefSeq Size:	2488
Cytogenetics:	3 28.68 cM
RefSeq ORF:	975
Synonyms:	AA415433; Sinh2
Summary:	<p>E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent proteasomal degradation of target proteins (PubMed:11257006, PubMed:14645235, PubMed:14645526, PubMed:17003045, PubMed:9637679, PubMed:26070566). E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates (PubMed:11257006, PubMed:14645235, PubMed:14645526, PubMed:17003045, PubMed:9637679, PubMed:26070566). Mediates E3 ubiquitin ligase activity either through direct binding to substrates or by functioning as the essential RING domain subunit of larger E3 complexes. Mediates ubiquitination and proteasomal degradation of DYRK2 in response to hypoxia. Promotes monoubiquitination of SNCA (By similarity). Triggers the ubiquitin-mediated degradation of many substrates, including proteins involved in transcription regulation (GPS2, POU2AF1, PML, NCOR1), a cell surface receptor (DCC), an antiapoptotic protein (BAG1), and a protein involved in synaptic vesicle function in neurons (SYP) (PubMed:11257006, PubMed:14645235, PubMed:14645526, PubMed:17003045, PubMed:9637679, PubMed:26070566). It is thereby involved in apoptosis, tumor suppression, cell cycle, transcription and signaling processes. Has some overlapping function with SIAH1. Triggers the ubiquitin-mediated degradation of TRAF2, whereas SIAH1 does not. Regulates cellular clock function via ubiquitination of the circadian transcriptional repressors NR1D1 and NR1D2 leading to their proteasomal degradation. Plays an important role in mediating the rhythmic degradation/clearance of NR1D1 and NR1D2 contributing to their circadian profile of protein abundance (PubMed:26392558).[UniProtKB/Swiss-Prot Function]</p>