

Product datasheet for TP506320

Sag (NM_009118) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse S-antigen, retina and pineal gland (arrestin) (Sag), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206320 protein sequence Red =Cloning site Green =Tags(s)

MAACGKTNKSHVIFKKVSRDKSVTIYLGKRDYVDHVSQVEPVDGWWLVDPELVKGGKVVVTLTCAFRYGQ
EDIDVMGLTFRRLDYFSRVQVYPPVVGAMSVLTQLQESLLKKLGDNTYPFLLTFPDYLPCSVMLQPAPQDV
GKSCGVDFEVKAFASDITDPEEDKIPKKSSVRLLRKQVQHAPPEMGPQPSAEASWQFFMSDKPLNLSVSL
SKEIYFHGEPIPTVTVTNNTDKVKKIKVSVEQIANWVLYSSDYVVKPVAEETQEKVQPNSTLTKTLV
LVPLLANNRERRGIALDGKIKHEDTNLASSTIIKEGIDRTVMGILVSYHIKVKLTVSGFLGELTSSEVAT
EVPFRLMHPQPEDPAKESVQDENLVFEFFARQNLKDTGENPEGKKDEDAGQDE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	44.9 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_033144
Locus ID:	20215
UniProt ID:	P20443 , Q3UPX6



[View online »](#)

RefSeq Size:	1718
Cytogenetics:	1 44.44 cM
RefSeq ORF:	1212
Synonyms:	A930001K18Rik; Arr1; arrestin; lrbp
Summary:	Binds to photoactivated, phosphorylated RHO and terminates RHO signaling via G-proteins by competing with G-proteins for the same binding site on RHO (PubMed:9333241, PubMed:16421323). May play a role in preventing light-dependent degeneration of retinal photoreceptor cells (PubMed:16421323).[UniProtKB/Swiss-Prot Function]