Recombinant Mouse Sgta Protein, Myc/DDK-tagged

Cat. No. Sgta-5830M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length small glutamine-rich tetratricopeptide repeat (TPR)-containing, alpha (Sgta), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Co-chaperone that binds misfolded and hydrophobic patches-containing client proteins in the cytosol. Mediates their targeting to the endoplasmic reticulum but also regulates their sorting to the proteasome when targeting fails. Functions in tail-anchored/type II transmembrane proteins membrane insertion constituting with ASNA1 and the BAG6 complex a targeting module. Functions upstream of the BAG6 complex and ASNA1, binding more rapidly the transmembrane domain of newly synthesized proteins. It is also involved in the regulation of the endoplasmic reticulum-associated misfolded protein catabolic process via its interaction with BAG6: collaborates with the BAG6 complex to maintain hydrophobic substrates in non-ubiquitinated states. Competes with RNF126 for interaction with BAG6, preventing the ubiquitination of client proteins associated with the BAG6 complex. Binds directly to HSC70 and HSP70 and regulates their ATPase activity.
Molecular Mass	34.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Sgta small glutamine-rich tetratricopeptide repeat (TPR)-containing, alpha [Mus musculus (house mouse)]
Official Symbol	Sgta
Synonyms	SGTA; small glutamine-rich tetratricopeptide repeat (TPR)-containing, alpha; small glutamine-rich tetratricopeptide repeat-containing protein alpha; alpha-SGT; small glutamine-rich tetratricopeptide repeat (TPR) containing protein; Sgt; Stg; AI194281; D10Ertd190e; MGC6336; 5330427H01Rik
Gene ID	52551
mRNA Refseq	NM_024499
Protein Refseq	NP_078775
UniProt ID	Q8BJU0

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