

## Product datasheet for TP518324

### S100a13 (NM\_009113) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse S100 calcium binding protein A13 (S100a13), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218324 representing NM_009113 Red=Cloning site Green=Tags(s)
	MASDSRGGPLSGGGNLTQTWEWLSPCLVLINFSLRAPDRLAASHLLSRICVDISSCFGILMAAETLTE LEAAIETVSTFFTFAGREGRKGS LNINEFKELATQQLPHLLKDVGSLDEKMKTLVDVNQDSELRFSYWR LIGELAKEVRKEKALGIRKK
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	18.2 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:	<a href="#">NP_033139</a>
Locus ID:	20196
UniProt ID:	<a href="#">P97352</a> , <a href="#">A0A0A0MQ90</a> , <a href="#">Q545H7</a>
RefSeq Size:	732
Cytogenetics:	3 39.24 cM



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RefSeq ORF: 480

**Summary:** Plays a role in the export of proteins that lack a signal peptide and are secreted by an alternative pathway. Binds two calcium ions per subunit. Binds one copper ion. Binding of one copper ion does not interfere with calcium binding. Required for the copper-dependent stress-induced export of IL1A and FGF1. The calcium-free protein binds to lipid vesicles containing phosphatidylserine, but not to vesicles containing phosphatidylcholine. [UniProtKB/Swiss-Prot Function]