

## Product datasheet for TP521935

### S100a1 (NM\_011309) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse S100 calcium binding protein A1 (S100a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR221935 representing NM_011309 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MGSELESAMETLINVFHAHSGKEGDKYKLSKELKDLLQTELSGFLDVQKDADAVDKVMKELDENGDGEV DFKEYVVLVAALTVACNNFFWETS
	<b>TR</b> TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	11 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_035439</a>
Locus ID:	20193
UniProt ID:	<a href="#">P56565</a> , <a href="#">Q91V77</a>
RefSeq Size:	615
Cytogenetics:	3 39.24 cM
RefSeq ORF:	282



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**Synonyms:** AI266795; S100; S100a

**Summary:** Probably acts as a Ca(2+) signal transducer. In response to an increase in intracellular Ca(2+) levels, binds calcium which triggers a conformational change. This conformational change allows interaction of S1001A with specific target proteins, such as TPR-containing proteins, and the modulation of their activity.[UniProtKB/Swiss-Prot Function]