

Product datasheet for **TP727597**

S100a11 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse S100A11 (N-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Met1-Ile98
Tag:	N-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse Protein S100-A11 is produced by our E.coli expression system and the target gene encoding Met1-Ile98 is expressed with a 6His tag at the N-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	20195
UniProt ID:	<u>P50543</u>
Synonyms:	Protein S100-A11; Calgizzarin; Endothelial monocyte-activating polypeptide; EMAP; Protein S100-C; S100 calcium-binding protein A11; S100a11; S100c
Summary:	Protein S100-A11(S100A11) is a member of the S-100 family. S100A11 is widely expressed in multi tissues, and is located in cytoplasm, nucleus, and even cell periphery. S100A11 exists as a non-covalent homodimer with an antiparallel conformation. Ca(2+) binding to S100A11 would trigger conformational changes which would expose the hydrophobic cleft of S100A11 and facilitate its interaction with target proteins. As a dual cell growth mediator, S100A11 acts as either a tumor suppressor or promoter in many different types of tumors and would play respective roles in influencing the proliferation of the cancer cells. In the nucleus, S100A11 suppresses the growth of keratinocytes through p21 (CIP1/WAF1) activation and induces cell differentiation. S100A11 is also a novel diagnostic marker in breast carcinoma.


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