

Product datasheet for TP518324

OriGene Technologies, Inc.

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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 >MR218324 representing NM_009113

or AA Sequence: Red=Cloning site Green=Tags(s)

MASDSRGGPLSGGGNLTLQTWEWLSPCLVLINFSLRAPDRLAASHLLSRSICVDISSCFGILMAAETLTE LEAAIETVVSTFFTFAGREGRKGSLNINEFKELATQQLPHLLKDVGSLDEKMKTLDVNQDSELRFSEYWR

LIGELAKEVRKEKALGIRKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 18.2 kDa

Concentration: $>0.05 \mu g/\mu L$ 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 033139

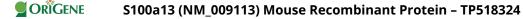
Locus ID: 20196

UniProt ID: <u>P97352</u>, <u>A0A0A0MQ90</u>, <u>Q545H7</u>

RefSeq Size: 732

Cytogenetics: 3 39.24 cM





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]