

**32-8880: Recombinant Mouse S100A4 (C-6His)(Discontinued)****Gene :** S100a4**Gene ID :** 20198**Uniprot ID :** P07091**Description**

Source: E. coli.

MW :12.5kD.

Recombinant Mouse S100A4 is produced by our E.coli expression system and the target gene encoding Met1-Lys101 is expressed with a 6His at the C-terminus. S100A4 is a member of the S100 family of proteins. The S100 family is further classified as a member of the EF-hand superfamily of Ca<sup>++</sup>-binding proteins. These participate in both calcium-dependent and calcium-independent protein-protein interactions. The hallmark of this superfamily is the EF-hand motif that consists of a Ca<sup>++</sup>-binding site flanked by two  $\alpha$ -helices (helix E and helix F) that were originally identified in a right-handed model of carp muscle calcium-binding protein. Mouse S100A4 is 101 amino acids (aa) in length. It contains two EF hand domains, one between aa 12-47, and a second between aa 50-85. S100A4 activity has been associated with cell transformation. It seems likely this is either coincidental, or a consequence, rather than a cause of transformation.

**Product Info****Amount :** 10  $\mu$ g / 50  $\mu$ g**Content :** Lyophilized from a 0.2  $\mu$ m filtered solution of PBS, pH7.4.**Storage condition :** 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.**Amino Acid :** MARPLEEALDVIVSTFHKYSGKEGDKFKLNKTELKELLTRELPSFLGKRTDEAAFQKVMNSLDSNRDNEVDFQE  
YCVFLSCIAMMCNEFFEGCPDKEPRKHHHHHH**Application Note****Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.