

## 32-4739: Recombinant Mouse S100 Calcium Binding Protein A3

**Alternative Name :** Protein S100-A3, Protein S-100E, S100 calcium-binding protein A3, S100a3, S100E.

### Description

Source : Escherichia Coli. S100A3 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 125 amino acids (1-101 a.a) and having a molecular mass of 14.3kDa. S100A3 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. S100A3 is part of S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm/nucleus of a broad range of cells, and takes part in the regulation of several cellular processes such as cell cycle progression and differentiation. S100A3 has the largest number of cysteines of all S100 proteins. S100A3 has high affinity for Zinc, and is widely expressed in human hair cuticle.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	S100A3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer, pH8.0, 10% glycerol, 2mM DTT and 150mM NaCl.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHH SSGLVPRGSH MGSHMTRPLE QAVAAIVCTF QEYAGRCGDK YKICQSELKE LLQKELPTWT PSEFRECDYN KFMSVLDTNK DCEVDFGEYV RSLASLCLYC HEYFKECPPE PPCPQ.

