

## Product datasheet for TP302117L

### S100A3 (NM\_002960) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human S100 calcium binding protein A3 (S100A3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202117 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MARPLEQAVAAIVCTFQEYAGRCGDKYKLCQAEKELLQKELATWTPTEFRECDYKNKFMSVLDTNKDCEV DFVEYVRSACLCLYCHEYFKDCPSEPPCSQ
	<b>TR</b> TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	11.5 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_002951</a>
Locus ID:	6274
UniProt ID:	<a href="#">P33764</a>
RefSeq Size:	738
Cytogenetics:	1q21.3



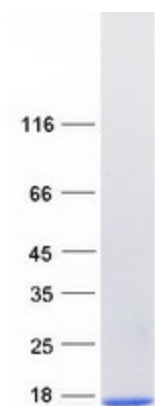
[View online »](#)

RefSeq ORF: 303

Synonyms: S100E

**Summary:** The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein has the highest content of cysteines of all S100 proteins, has a high affinity for Zinc, and is highly expressed in human hair cuticle. The precise function of this protein is unknown. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified S100A3 protein (Cat# [TP302117]). The protein was produced from HEK293T cells transfected with S100A3 cDNA clone (Cat# [RC202117]) using MegaTran 2.0 (Cat# [TT210002]).