

## Product datasheet for **TP310002M**

### **S100A12 (NM\_005621) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human S100 calcium binding protein A12 (S100A12), 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC210002 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MTKLEEHLEGIVNIFHQYSVRKGFDTLSKSELKQLLTKELANTIKNIKDKAVIDEIFQGLDANQDEQVD FQEFISLVAIALKAAHYHHTHKE
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	10.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_005612</a>
<b>Locus ID:</b>	6283
<b>UniProt ID:</b>	<a href="#">P80511</a>
<b>RefSeq Size:</b>	466
<b>Cytogenetics:</b>	1q21.3



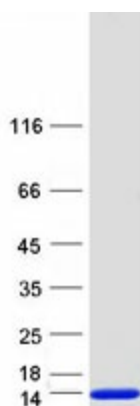
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RefSeq ORF: 276

Synonyms: CAAF1; CAGC; CGRP; ENRAGE; MRP-6; MRP6; p6

**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 is proposed to be involved in specific calcium-dependent signal transduction pathways and its regulatory effect on cytoskeletal components may modulate various neutrophil activities. The protein includes an antimicrobial peptide which has antibacterial activity. [provided by RefSeq, Nov 2014]

### Product images:



Coomassie blue staining of purified S100A12 protein (Cat# [TP310002]). The protein was produced from HEK293T cells transfected with S100A12 cDNA clone (Cat# [RC210002]) using MegaTran 2.0 (Cat# [TT210002]).