

## Product datasheet for TP322165

### S100 Calcium Binding Protein A13 (S100A13) (NM\_005979) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human S100 calcium binding protein A13 (S100A13), transcript variant 2, 20 µg   |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC222165 protein sequence<br>Red=Cloning site Green=Tags(s)   |
|                                       | MAAEPLTELEESIETVWTTFFTFARQEGRKDSLVSNEFKELVTQQLPHLLKDVGSLDEKMKSLDVNQDSE<br>LKFNEYWRLIGELAKEIRKKKDLKIRKK   |
|                                       | TRTRPLEQKLISEEDLAANDILDYKDDDDKV  |
| Tag:                                  | C-Myc/DDK  |
| Predicted MW:                         | 11.3 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_005970</a>  |
| Locus ID:                             | 6284   |
| UniProt ID:                           | <a href="#">Q99584</a>   |
| RefSeq Size:                          | 743  |



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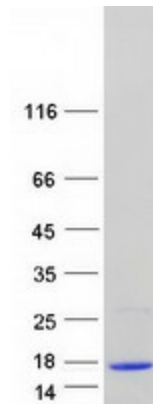
Cytogenetics: 1q21.3

RefSeq ORF: 294

**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 widely expressed in various types of tissues with a high expression level in thyroid gland. In smooth muscle cells, this protein co-expresses with other family members in the nucleus and in stress fibers, suggesting diverse functions in signal transduction. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified S100A13 protein (Cat# TP322165). The protein was produced from HEK293T cells transfected with S100A13 cDNA clone (Cat# [RC222165]) using MegaTran 2.0 (Cat# [TT210002]).