

## Product datasheet for PH303255

### Calprotectin (S100A8) (NM\_002964) Human Mass Spec Standard

#### Product data:

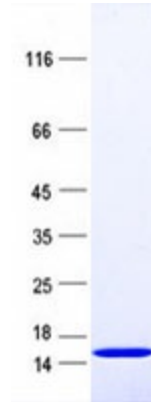
Product Type:	Mass Spec Standards
Description:	S100A8 MS Standard C13 and N15-labeled recombinant protein (NP_002955)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203255
Predicted MW:	11.3 kDa
Protein Sequence:	>RC203255 representing NM_002964 Red=Cloning site Green=Tags(s)  MLTELEKALNSIIDVYHKYSLIKGNFHAVYRDDLKLLLETECPQYIRKKGADVWFKELDINTDGAVNFQE FLILVIKMGVAAHKKSHEESHKE  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_002955</a>
RefSeq Size:	532
RefSeq ORF:	279
Synonyms:	60B8AG; CAGA; CFAG; CGLA; CP-10; L1Ag; MA387; MIF; MRP8; NIF; P8
Locus ID:	6279
UniProt ID:	<a href="#">P05109</a>
Cytogenetics:	1q21.3



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**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 may function in the inhibition of casein kinase and as a cytokine. Altered expression of this protein is associated with the disease cystic fibrosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]

**Product images:**

Coomassie blue staining of purified S100A8 protein (Cat# [TP303255]). The protein was produced from HEK293T cells transfected with S100A8 cDNA clone (Cat# [RC203255]) using MegaTran 2.0 (Cat# [TT210002]).