

Product datasheet for PH308250

Calprotectin (S100A9) (NM_002965) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	S100A9 MS Standard C13 and N15-labeled recombinant protein (NP_002956)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208250
Predicted MW:	13.2 kDa
Protein Sequence:	>RC208250 protein sequence Red=Cloning site Green=Tags(s) MTCKMSQLERNIETIINTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLKKNKNEKVIEHIMEDLDTNA DKQLSFEEFIMLMARLTWASHEKMHEGDEGPGHHHKPGLGEGTP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_002956
RefSeq Size:	586
RefSeq ORF:	342
Synonyms:	60B8AG; CAGB; CFAG; CGLB; L1AG; LIAG; MAC387; MIF; MRP14; NIF; P14
Locus ID:	6280
UniProt ID:	P06702
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 altered expression of this protein is associated with the disease cystic fibrosis. This antimicrobial protein exhibits antifungal and antibacterial activity. [provided by RefSeq, Nov 2014]

Product images:

Coomassie blue staining of purified S100A9 protein (Cat# [TP308250]). The protein was produced from HEK293T cells transfected with S100A9 cDNA clone (Cat# [RC208250]) using MegaTran 2.0 (Cat# [TT210002]).