

Product datasheet for PH308250

OriGene Technologies, Inc.

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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:HumanExpression Host:HEK293

Expression cDNA Clone

RC208250

or AA Sequence: Predicted MW:

13.2 kDa

Protein Sequence: >RC208250 protein sequence

Red=Cloning site Green=Tags(s)

MTCKMSQLERNIETIINTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLKKENKNEKVIEHIMEDLDTNA

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- 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: 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

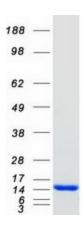




Summary:

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]).