

Product datasheet for PH302590

S100 calcium binding protein A14 (S100A14) (NM_020672) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	S100A14 MS Standard C13 and N15-labeled recombinant protein (NP_065723)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202590
Predicted MW:	11.7 kDa
Protein Sequence:	<p>>RC202590 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MGQCRSANAEDAQEFSDVERAIETLIKNFHQYSVEGGKETLTPSELRLDLVTQQLPHLMPSNCGLEEKIAN LGSCNDSKLEFRSFWELIGEAAKSVKLERPVGRH</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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_065723
RefSeq Size:	1075
RefSeq ORF:	312
Synonyms:	BCMP84; S100A15
Locus ID:	57402
UniProt ID:	Q9HCY8
Cytogenetics:	1q21.3

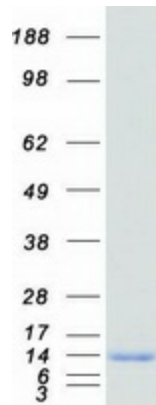


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Summary:

This gene encodes a member of the S100 protein family which contains an EF-hand motif and binds calcium. The gene is located in a cluster of S100 genes on chromosome 1. Levels of the encoded protein have been found to be lower in cancerous tissue and associated with metastasis suggesting a tumor suppressor function (PMID: 19956863, 19351828). [provided by RefSeq, Dec 2011]

Product images:



Coomassie blue staining of purified S100A14 protein (Cat# [TP302590]). The protein was produced from HEK293T cells transfected with S100A14 cDNA clone (Cat# [RC202590]) using MegaTran 2.0 (Cat# [TT210002]).