

## Product datasheet for PH304490

### Psoriasin (S100A7) (NM\_002963) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	S100A7 MS Standard C13 and N15-labeled recombinant protein (NP_002954)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204490
Predicted MW:	11.5 kDa
Protein Sequence:	>RC204490 protein sequence Red=Cloning site Green=Tags(s)  MSNTQAERSIIGMIDMFHKYTRRDDKIDKPSLLTMMKENFPNFLSACDKKGTNYLADVFEKKDKNEDKKI DFSEFLSLLGDIATDYHKQSHGAAPCSGGSQ  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:	<a href="#">NP_002954</a>
RefSeq Size:	450
RefSeq ORF:	303
Synonyms:	PSOR1; S100A7c
Locus ID:	6278
UniProt ID:	<a href="#">P31151</a>
Cytogenetics:	1q21.3



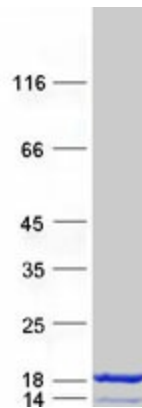
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**Summary:**

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 differs from the other S100 proteins of known structure in its lack of calcium binding ability in one EF-hand at the N-terminus. The protein is overexpressed in hyperproliferative skin diseases, exhibits antimicrobial activities against bacteria and induces immunomodulatory activities. [provided by RefSeq, Nov 2014]

**Protein Families:**

Secreted Protein

**Product images:**

Coomassie blue staining of purified S100A7 protein (Cat# [TP304490]). The protein was produced from HEK293T cells transfected with S100A7 cDNA clone (Cat# [RC204490]) using MegaTran 2.0 (Cat# [TT210002]).