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Product datasheet for PH301533

S100P (NM_005980) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	S100P MS Standard C13 and N15-labeled recombinant protein (NP_005971)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201533
Predicted MW:	10.4 kDa
Protein Sequence:	>RC201533 protein sequence Red=Cloning site Green=Tags(s) MTELETAMGMIIDVFSRYSGSEGSTQTLTKGELKVLMEKELPGFLQSGKDKDAVDKLLKDLDANGDAQVD FSEFIVFVAAITSACHKYFEKAGLK 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_005971
RefSeq Size:	510
RefSeq ORF:	285
Synonyms:	MIG9
Locus ID:	6286
UniProt ID:	P25815
Cytogenetics:	4p16.1

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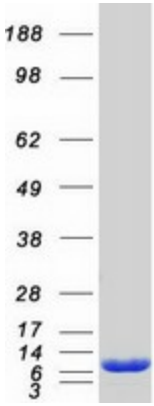
Summary: The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 4p16. This protein, in addition to binding Ca2+, also binds Zn2+ and Mg2+. This protein may play a role in the etiology of prostate cancer. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified S100P protein (Cat# [TP301533]). The protein was produced from HEK293T cells transfected with S100P cDNA clone (Cat# [RC201533]) using MegaTran 2.0 (Cat# [TT210002]).