

Recombinant Human S100A6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. S100A6-4913H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	S100A6 MS Standard C13 and N15-labeled recombinant protein (NP_055439) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 stimulation of Ca ²⁺ -dependent insulin release, stimulation of prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of this gene have been implicated in melanoma.
Molecular Mass	10.2 kDa
AA Sequence	MACPLDQAIGLLVAIFHKYSGREGDKHTLSKKELKELIQKELTIGSKLQDAEIARLMED LDRNKDQEVNFQEYVTFGLGALALIYNEALKGTRTRPLEQKLISEEDLAANDILDYKDD DDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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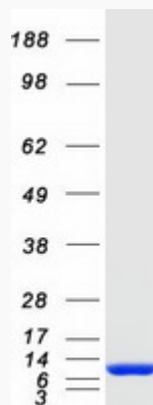
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	S100A6 S100 calcium binding protein A6 [Homo sapiens (human)]
Official Symbol	S100A6
Synonyms	S100A6; S100 calcium binding protein A6; CACY, S100 calcium binding protein A6 (calcylin), S100 calcium binding protein A6 (calcylin); protein S100-A6; 2A9; CABP; PRA; MLN 4; calcylin; growth factor-inducible protein 2A9; prolactin receptor-associated protein; S100 calcium-binding protein A6 (calcylin); 5B10; CACY;
Gene ID	6277
mRNA Refseq	NM_014624
Protein Refseq	NP_055439
MIM	114110
UniProt ID	P06703

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SDS-PAGE

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