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S100-A6

Catalog # PVGS1303

Product Information

Primary Accession	NP_055439.1
Species	Human
Sequence	MHHHHHHMAC PLDQAIGLLV AIFHKYSGRE GDKHTLSKKE LKELIQKELT IGSKLQDAEI ARLMEDLDRN KDQEVNFQEY VTFLGALALI YNEALKG
Purity	> 95% as analyzed by SDS-PAGE.
Endotoxin Level	
Formulation	Lyophilized after extensive dialysis against 50mM Tris-HCl, 100mM NaCI, 0.5mM PMSF, 1mM TCEP, pH8.0.
Reconstitution	Reconstituted in ddH_2O at 200 □g/ml.

Additional Information

Target Background

S100 calcium-binding protein A6 (S100A6) is a small calcium binding protein with 2 EF-hand structures and belongs to the S100 family. 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 proteins include at least 25 members which are located as a cluster on chromosome 1q21. S100A6 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. Recombinant S100 calcium-binding protein A6 (S100A6) with His tag produced in E. coli is a single chain containing 97 amino acids with molecular mass of 11.1 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at .

Protein Information

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.