Recombinant Human S100A6 Protein

Catalog Number:PKSH031346



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Synonyms	S100A6;Protein S100-A6;Calcyclin;Growth factor-inducible protein 2A9;MLN 4;Prolactin receptor-associated protein;PRA;S100 calcium-binding protein A6;CACY;2A9;5B10;CABP;PRA
Species	Human
Expression Host	E.coli
Sequence	Met 1-Gly 90
Accession	NP_055439.1
Calculated Molecular Weight	10.2 kDa
Observed molecular weight	10 kDa
Tag	None
Properties	
Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.
Data	
KDa MK R 116 66.2 45.0 35.0 25.0 18.4 14.4	

> 95 % as determined by reducing SDS-PAGE.

Background

S100 proteinis a family of low molecular weight protein found in vertebrates characterized by twoEF-hand calciumbinding motifs. There are at least 21 different S100 proteins; and the name is derived from the fact that the protein is100%soluble in ammonium sulfateat neutralpH. Most S100 proteins are disulfide-linked homodimer; and is normally present in cells derived from theneural crest; chondrocytes; macrophages; dendritic cells; etc. S100 proteins have been implicated in a variety of intracellular and extracellular functions. They are involved in regulation of protein phosphorylation; transcription factors; the dynamics of cytoskeleton constituents; enzyme activities; cell growth and

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differentiation; and the inflammatory response. S100A6 (S100 calcium binding protein A6) is a member of the S100 family of proteins; and functions in prolactin secretion; and exocytosis. Chromosomal rearrangements and altered expression of S100A6 have been implicated in melanoma.

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