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Datasheet for ABIN7319336 S100A13 Protein



Overview

Quantity:	50 µg
Target:	S100A13
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human S100A13 Protein
Sequence:	Ala2-Lys98
Characteristics:	Recombinant Human Protein S100-A13 is produced by our E.coli expression system and the target gene encoding Ala2-Lys98 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μ g as determined by the LAL method.

Target Details

Target:	S100A13
Alternative Name:	S100A13 (S100A13 Products)
Background:	Background: S100A13 is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. It is widely expressed in various types of tissues with a high expression
	level in thyroid gland. In smooth muscle cells, this protein co-expresses with other family
	members in the nucleus and in stress fibers, suggesting diverse functions in signal

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Target Details

	transduction. It plays a role in the export of proteins that lack a signal peptide and are secreted
	by an alternative pathway. It binds two calcium ions per subunit and one copper ion. Binding of
	one copper ion does not interfere with calcium binding. It is required for the copper-dependent
	stress-induced export of IL1A and FGF1. The calcium-free protein binds to lipid vesicles
	containing phosphatidylserine, but not to vesicles containing phosphatidylcholine.
	Synonym: Protein S100-A13,S100A13,S100 calcium-binding protein A13
Molecular Weight:	11.3 kDa
NCBI Accession:	NP_001019381
Pathways:	S100 Proteins
Application Details	
Restrictions:	For Research Use only
Restrictions:	For Research Use only
Restrictions: Handling	For Research Use only
	For Research Use only Lyophilized
Handling	
Handling Format:	Lyophilized
Handling Format: Reconstitution:	Lyophilized Please refer to the printed manual for detailed information.
Handling Format: Reconstitution: Buffer:	Lyophilized Please refer to the printed manual for detailed information. Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Format: Reconstitution: Buffer: Storage:	Lyophilized Please refer to the printed manual for detailed information. Lyophilized from a 0.2 μm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4. 4 °C,-20 °C,-80 °C
Handling Format: Reconstitution: Buffer: Storage:	Lyophilized Please refer to the printed manual for detailed information. Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4. 4 °C,-20 °C,-80 °C Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.