Datasheet for ABIN2731328

S100A9 Protein (Myc-DYKDDDDK Tag)

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Overview

Quantity:	20 µg
Target:	S100A9
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100A9 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	• Recombinant human S100A9 / Calgranulin-B / MRP14 protein expressed in HEK293 cells. • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	S100A9
Alternative Name:	s100a9,calgranulin-B,mrp14 (S100A9 Products)
Background:	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 the inhibition of casein

Target Details

	kinase and altered expression of this protein is associated with the disease cystic fibrosis. This antimicrobial protein exhibits antifungal and antibacterial activity.
Molecular Weight:	13.1 kDa
NCBI Accession:	NP_002956
Pathways:	Transition Metal Ion Homeostasis, Positive Regulation of Endopeptidase Activity, S100 Proteins

Application Details

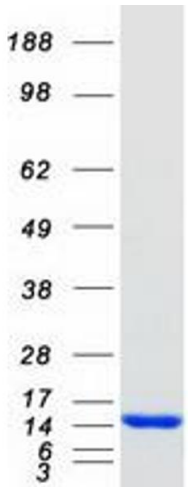
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in:	Perego, Maurer, Wang, Shaffer, Müller, Parapatics, Li, Hristova, Shin, Keeney, Liu, Xu, Raj, Jensen, Bennett, Wagner, Somasundaram, Herlyn: "A slow-cycling subpopulation of melanoma cells with highly invasive properties." in: **Oncogene**, Vol. 37, Issue 3, pp. 302-312, (2018) (PubMed).



Western Blotting

Image 1. Validation with Western Blot