

Datasheet for ABIN1319072
S100A8 Protein (AA 1-93) (GST tag)



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Overview

Quantity:	10 µg
Target:	S100A8
Protein Characteristics:	AA 1-93
Origin:	Human
Source:	Wheat germ
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100A8 protein is labelled with GST tag.
Application:	Western Blotting (WB), ELISA, Affinity Purification (AP), Antibody Array (AA)

Product Details

Purpose:	S100A8 (Human) Recombinant Protein (P01)
Sequence:	MLTELEKALN SIIDVYHKYS LIKGNFHAVY RDDLKLLLET ECPQYIRKKG ADVWFKELDI NTDGA VNFQE FLILVIKMGV AAHKKSHEES HKE
Characteristics:	Human S100A8 full-length ORF (AAH05928.1, 1 a.a. - 93 a.a.) recombinant protein with GST-tag at N-terminal.
Purification:	in vitro wheat germ expression system

Target Details

Target:	S100A8
Alternative Name:	S100A8 (S100A8 Products)

Target Details

Background:	Full Gene Name: S100 calcium binding protein A8 Synonyms: 60B8AG,CAGA,CFAG,CGLA,CP-10,L1Ag,MA387,MIF,MRP8,NIF,P8
Gene ID:	6279
Pathways:	Transition Metal Ion Homeostasis , Positive Regulation of Endopeptidase Activity , S100 Proteins

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Preparation method: in vitro, wheat germ expression system Product Quality tested by: 12.5% SDS-PAGE Stained with Coomassie Blue.
Restrictions:	For Research Use only

Handling

Buffer:	50 mM Tris-HCl, 10 mM reduced Glutathione, pH =8.0 in the elution buffer.
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-80 °C
Storage Comment:	Best use within three months from the date of receipt of this protein.

Publications

Product cited in:	<p>Kuwabara, Mori, Kasahara, Yokoi, Imamaki, Ishii, Koga, Sugawara, Yasuno, Ueshima, Morikawa, Konishi, Imanishi, Nishiyama, Nakao, Mukoyama: "Predictive significance of kidney myeloid-related protein 8 expression in patients with obesity- or type 2 diabetes-associated kidney diseases." in: PLoS ONE, Vol. 9, Issue 2, pp. e88942, (2014) (PubMed).</p> <p>Shirley, von Maltzan, Robbins, Kusewitt: "Melanocyte and melanoma cell activation by calprotectin." in: Journal of skin cancer, Vol. 2014, pp. 846249, (2014) (PubMed).</p> <p>Maiseyeu, Badgeley, Kampfrath, Mihai, Deiuliis, Liu, Sun, Parthasarathy, Simon, Croce, Rajagopalan: "In vivo targeting of inflammation-associated myeloid-related protein 8/14 via gadolinium immunonanoparticles." in: Arteriosclerosis, thrombosis, and vascular biology, Vol. 32, Issue 4, pp. 962-70, (2012) (PubMed).</p> <p>Wolf, Howard, Dong, Voscopoulos, Boeshans, Winston, Divi, Gunsior, Goldsmith, Ahvazi,</p>
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Publications

Chavakis, Oppenheim, Yuspa: "Chemotactic activity of S100A7 (Psoriasin) is mediated by the receptor for advanced glycation end products and potentiates inflammation with highly homologous but functionally distinct S100A15." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 181, Issue 2, pp. 1499-506, (2008) ([PubMed](#)).

Venkataraman, Cole, Svoboda, Pohl, Cole: "Cationic polypeptides are required for anti-HIV-1 activity of human vaginal fluid." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 175, Issue 11, pp. 7560-7, (2005) ([PubMed](#)).

Images

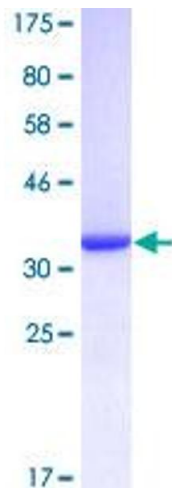


Image 1.