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Datasheet for ABIN7520453
S100A8 Protein (DYKDDDDK Tag)

Overview

Quantity:	20 µg
Target:	S100A8
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100A8 protein is labelled with DYKDDDDK Tag.

Product Details

Purpose:	Recombinant Human S100-A8 Protein
Sequence:	MLTELEKALN SIIDVYHKYS LIKGNFHAVY RDDLKLLLET ECPQYIRKKG ADVWFKELDI NTDGA VNFQE FLILVIKMGV AAHKKSHEES HKE
Specificity:	Met1-Glu93
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1EU/µg

Target Details

Target:	S100A8
Alternative Name:	S100-A8 (S100A8 Products)
Background:	Description: This protein is a member of the S100 family of proteins containing 2 EF-hand

Target Details

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 kinase and as a cytokine. Altered expression of this protein is associated with the disease cystic fibrosis. Multiple transcript variants encoding different isoforms have been found for this gene.

Name: 60B8AG, CAGA, CFAG, CGLA, CP-10, L1Ag, MA387, MIF, MRP8, NIF, P8, S100A8, CAGA, CFAG, CGLA, CP-10, L1Ag, MA387, MIF, MRP8, NIF, P8

Gene ID: 6279

UniProt: [P05109](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Positive Regulation of Endopeptidase Activity](#), [S100 Proteins](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Supplied as a 0.22 µm filtered solution in 50 mM Tris, 500 mM NaCl, 5 mM MgSO₄ and 5 % glycerol, pH 8.0

Storage: -80 °C

Storage Comment: This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.