Recombinant Full Length Human S100A8 Protein, His&Myc tagged

Cat. No. S100A8-24HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human S100A8, fused to His-tag at N-terminus, fused to Myc-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-93 aa
Description	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 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.
Form	Liquid in 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl
Molecular Mass	14.5 kDa (127aa) confirmed by MALDI-TOF
AASequence	MGSSHHHHHHSSGLVPRGSHMGSHMLTELEKALNSIIDVYHKYSLIKGNFHAVYRD

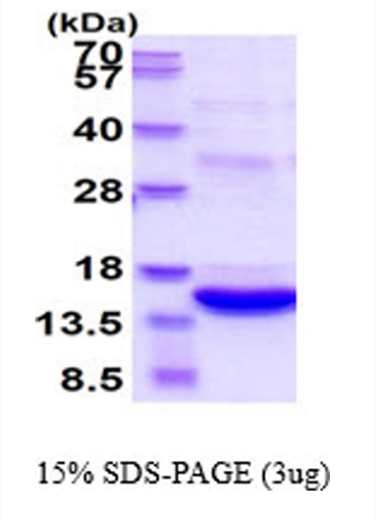
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	DLKKLLETECPQYIRKKGADVWFKELDINTDGAVNFQEFLILVIKMGVAAHKKSHEESHKEEQKLISEEDL
Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/mL (determined by Bradford assay)

GENE INFORMATION

Gene Name	S100A8 S100 calcium binding protein A8 [Homo sapiens (human)]
Official Symbol	S100A8
Synonyms	S100A8; S100 calcium binding protein A8; P8; NIF; CAGA; CFAG; CGLA; L1Ag; MRP8; CP-10; MA387; 60B8AG; S100-A8; protein S100-A8; calgranulin A; calprotectin L1L subunit; cystic fibrosis antigen; leukocyte L1 complex light chain; migration inhibitory factor-related protein 8; urinary stone protein band A
Gene ID	6279
mRNA Refseq	NM_002964
Protein Refseq	NP_002955

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MIM	123885
UniProt ID	P05109
SDS-PAGE	 15% SDS-PAGE (3ug)

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