

Recombinant Human S100A8 Protein (His Tag)

Catalog Number:PKSH033829



Note: Centrifuge before opening to ensure complete recovery of vial contents.

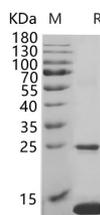
Description

Synonyms	60B8Ag, AI323541, B8Ag, BEE11, CAGA, Calgranulin-A, Calprotectin L1L subunit, Calprotectin, included, CFAG, CGLA, Chemotactic cytokine CP-10, CP-10, Cystic fibrosis antigen, L1Ag, Leukocyte L1 complex light chain, MA387, MIF, Migration inhibitory factor-related protein 8, MRP-8, Myeloid-related protein 8, Neutrophil cytosolic 7 kDa protein, NIF, p8, Pro-inflammatory S100 cytokine, Protein S100-A8, S100 calcium binding protein A8 (calgranulin A), S100 calcium binding protein A8, S100 calcium-binding protein A8, S100A8, S100A8/S100A9 complex, included, S10A8, Urinary stone protein band A
Species	Human
Expression Host	E.coli
Sequence	Met1-Glu93
Accession	P05109-1
Calculated Molecular Weight	10.8 kDa
Observed molecular weight	13.1 kDa
Tag	N-His
Bioactivity	Testing in progress

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

For Research Use Only

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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.

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