

Catalog No.: RP01629LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human	6279	P05109

C-Flag

60B8AG; CAGA; CFAG; CGLA; CP-10;
L1Ag; MA387; MIF; MRP8; NIF;
P8;S100A8;CAGA;CFAG;CGLA;CP-10;L1A
g;MA387;MIF;MRP8;NIF;P8

Source <i>E. coli</i>	Purification ≥ 95 % as determined by SDS- PAGE
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Calculated MW	Observed MW
11.84 kDa	16 kDa

< 1 EU/μg of the protein by LAL method.

Supplied as a 0.22 μm filtered solution in 50mM Tris, 500mM NaCl, 5mM MgSO_4 and 5% glycerol, pH8.0

Contact

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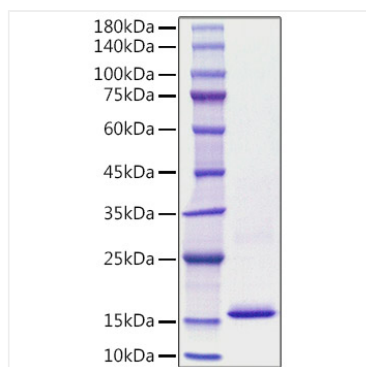
This protein is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. 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.

Recombinant Human S100-A8 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Glu93) of human S100-A8 (Accession #NP_002955.2) fused with a Flag tag at the C-terminus.

Storage

Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.

Validation Data



Recombinant Human S100-A8 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.