

For Research Use Only

Recombinant Mouse S100A8 protein (mFc Tag)



Catalog Number: Eg4030

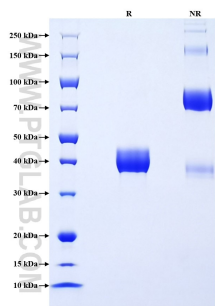
Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: mFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/µg protein, LAL method Source: HEK293-derived Mouse S100A8 protein Pro2-Glu89 (Accession# P27005) with a mouse IgG Fc tag at the C-terminus. GeneID: 20201 Accession: P27005 Predicted Molecular Mass: 36.8 kDa SDS-PAGE: 37-45 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	S100A8 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. S100A8 may form homodimer or heterodimer with S100A9(16216873).		
References	1. Li Y, Chen B, et al. (2019) Circulation. 140(9):751-764. 2. Tousif S, Singh AP, et al. (2023) Circ Res. 132(3):267-289. 3. Cho E, Mun SJ, et al. (2024) Acta Pharmacol Sin. 45(3):581-593. 4. Guo Q, Zhao Y, et al. (2021) Cell Host Microbe. 29(2):222-235.e4.		
Synonyms	Caga, Calgranulin-A, Chemotactic cytokine CP-10, Leukocyte L1 complex light chain, Migration inhibitory factor-related protein 8		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Mouse S100A8 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.