

For Research Use Only

Recombinant Human S100A8 protein (rFc Tag)



Catalog Number: Eg3752

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human S100A8 protein Met1-Glu93 (Accession# P05109) with a rabbit IgG Fc tag at the C-terminus.

GenID:

6279

Accession:

P05109

Predicted Molecular Mass:

37.1 kDa

SDS-PAGE:

38-48 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m 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 and S100A9 are Ca²⁺ binding proteins that belong to the S100 family. Forming a common heterodimer structure S100A8/A9, S100A8 and S100A9 are widely reported to participate in multiple signaling pathways in tumor cells. Meanwhile, S100A8/A9, S100A8, and S100A9, mainly as promoters, contribute to tumor development, growth and metastasis by interfering with tumor metabolism and the microenvironment.

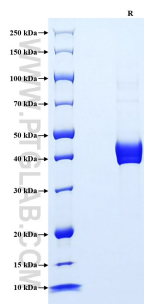
References

1. Wang S et al. (2018) Front Immunol. 9:1298.
2. Koy M. et al. (2013) Vet Immunol Immunopathol. 155(3):162-70.
3. Pruenster M. et al. (2016) 167:120-131.
4. Abtin AEL. et al. (2010). J Invest Dermatol. 130:2423-30.
5. Shabani F. et al. (2018) 67(10):801-812.

Synonyms

S100A8, CAGA, Calgranulin A, Calgranulin-A, Calprotectin L1L subunit

Selected Validation Data



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

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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.