

Cynomolgus EMMPRIN / CD147 Protein, His Tag (MALS verified)

Catalog # CD7-C52H8



BIOSYSTEMS
Acro

Synonyms

Basigin, BSG, 5F7, CD147, EMMPRIN, M6, OK, TCSF

Source

Cynomolgus EMMPRIN Protein, His Tag (CD7-C52H8) is expressed from human 293 cells (HEK293). It contains AA Ala 22 - His 209 (Accession # [XP_005587354.1](#)).

Predicted N-terminus: Ala 22

Molecular Characterization

EMMPRIN(Ala 22 - His 209)
XP_005587354.1

Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 21.9 kDa. The protein migrates as 26-33 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Purity

>90% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Shipping and Storage

This product is shipped at ambient temperature.

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

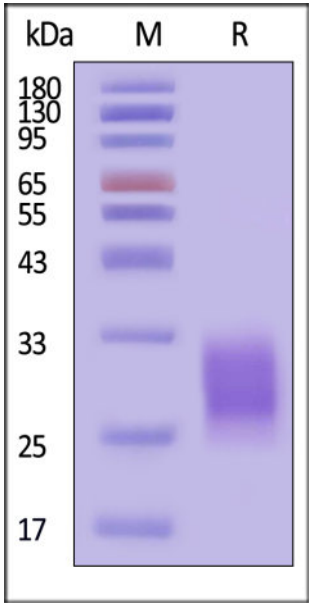
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

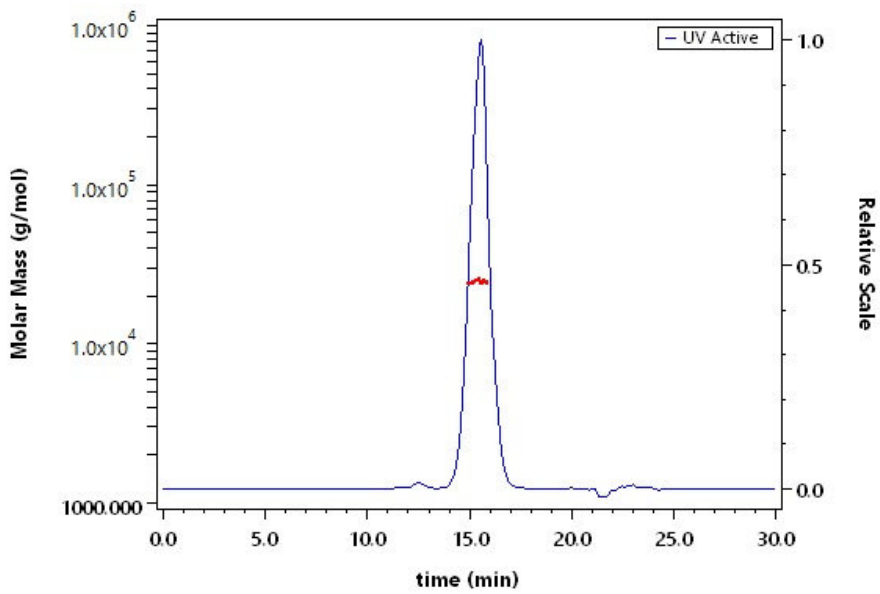
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



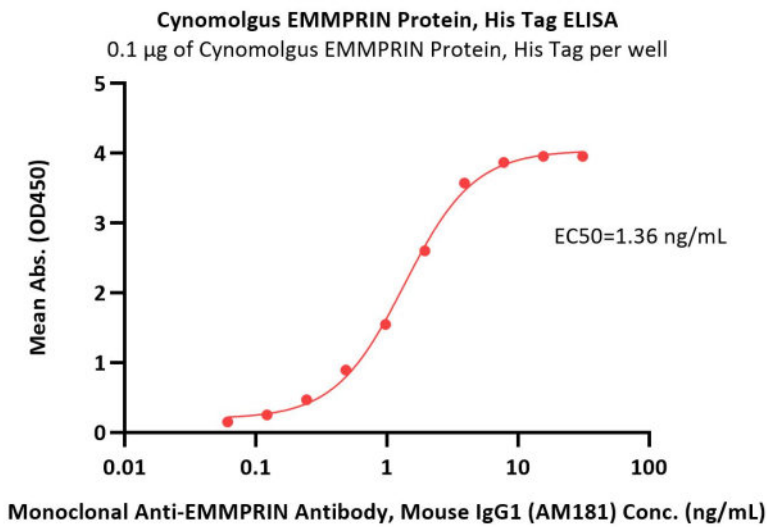
Cynomolgus EMMPRIN Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Cynomolgus EMMPRIN Protein, His Tag (Cat. No. CD7-C52H8) is more than 95% and the molecular weight of this protein is around 21-31 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Cynomolgus EMMPRIN Protein, His Tag (Cat. No. CD7-C52H8) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-EMMPRIN Antibody, Mouse IgG1 (AM181) with a linear range of 0.06-2 ng/mL (QC tested).

Background

CD147, also known as Basigin (BSG), or extracellular matrix metalloproteinase inducer (EMMPRIN). The human basigin protein contains 269 amino acids that form two heavily glycosylated C2 type immunoglobulin-like domains at the N-terminal extracellular portion. A second form of basigin has also been characterized that contains one additional immunoglobulin-like domain in its extracellular portion. As members of the immunoglobulin superfamily play fundamental roles in intercellular recognition involved in various immunologic phenomena, differentiation, and development, basigin is thought also to play a role in intercellular recognition and regulate several distinct functions, such as spermatogenesis, expression of the monocarboxylate transporter and the responsiveness of lymphocytes. Basigin is a type I integral membrane receptor that has many ligands, including the cyclophilin (CyP) proteins Cyp-A and CyP-B and certain integrins.



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