

Datasheet for ABIN2180696

CD147 Protein (AA 22-205) (Fc Tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	CD147 (BSG)
Protein Characteristics:	AA 22-205
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD147 protein is labelled with Fc Tag.

Product Details

Sequence:	AA 22-205
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 46.3 kDa. The protein migrates as 60-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CD147 (BSG)
Alternative Name:	EMMPRIN (BSG Products)

Target Details

Background: CD147 is 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.

Molecular Weight: 46.3 kDa

NCBI Accession: [NP_940991](#)

Pathways: [S100 Proteins](#)

Application Details

Restrictions: For Research Use only

Handling

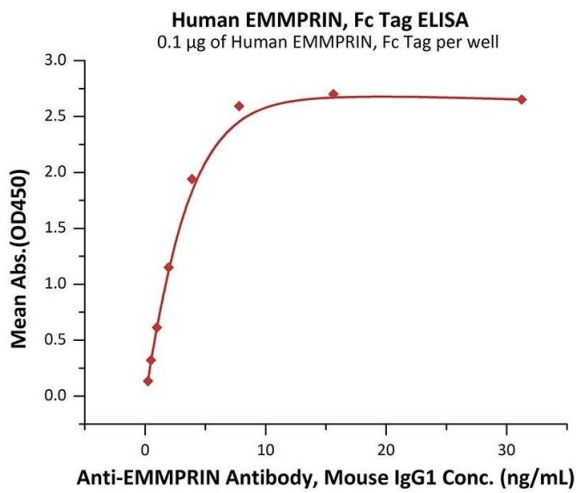
Format: Lyophilized

Buffer: 50 mM Tris, 100 mM Glycine, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

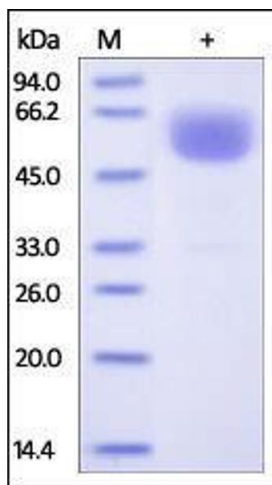
Storage: -20 °C

Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C-8 °C), After reconstitution under sterile conditions for 1 month (4 °C-8 °C) or 3 months (-20 °C to -70 °C).



ELISA

Image 1. Immobilized Human EMMPRIN, Fc Tag (ABIN2180697, ABIN2180696) at 1 µg/mL (100 µL/well) can bind AIN Antibody, Mouse IgG1 with a linear range of 0.2-4 ng/mL (QC tested).



SDS-PAGE

Image 2. Human EMMPRIN, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.