

Datasheet for ABIN7505471

CD147 Protein (AA 52-324) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD147 (BSG)
Protein Characteristics:	AA 52-324
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD147 protein is labelled with His tag.

Product Details

Sequence:	Pro52-Thr324
Characteristics:	A DNA sequence encoding the Rat BSG (P26453-1) (Pro52-Thr324) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	CD147 (BSG)
Alternative Name:	CD147 (BSG Products)
Background:	Abbreviation: CD147,BSG,Basigin Target Synonym: 5A11 antigen,5F7,BASI,Basigin (Ok blood group),Basigin,Blood brain barrier HT7 antigen,Bsg,CD 147,CD147,CD147 antigen,Collagenase stimulatory factor,EMMPRIN,Extracellular matrix metalloproteinase inducer,Leukocyte activation antigen

Target Details

M6,M 6,M6,M6 leukocyte activation antigen,Neurothelin,OK,OK blood group,OK blood group antigen,TCSF,Tumor cell derived collagenase stimulatory factor,Tumor cell-derived collagenase stimulatory factor

Background: BSG,also named as 5F7,Basigin,EMMPRIN,TCSF and CD147,plays pivotal roles in spermatogenesis,embryo implantation,neural network formation and tumor progression. It stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPS).CD147 may target monocarboxylate transporters SLC16A1,SLC16A3 and SLC16A8 to plasma membranes of retinal pigment epithelium and neural retina. It seems to be a receptor for oligomannosidic glycans. CD147 is a receptor of CypA,inducing matrix metalloproteinase expression and mediating the degradation of the extracellular matrix,plays an important role in tumorigenesis and invasion in oral cancer. It has been considered as an objective and effective marker to predict invasion and prognosis in various cancers.

Molecular Weight: Calculated MW: 30.27 kDa
Observed MW: 32.59 kDa

UniProt: [P26453-1](#)

Pathways: [S100 Proteins](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months