

Recombinant Human CD147/Basigin Protein (Fc Tag)

Catalog No. PKSH031785

Description

Synonyms	Basigin; 5F7; Collagenase Stimulatory Factor; Extracellular Matrix Metalloproteinase Inducer; EMMPRIN; Leukocyte Activation Antigen M6; OK Blood Group Antigen; Tumor Cell-Derived Collagenase Stimulatory Factor; TCSF; CD147; BSG
Species	Human
Expression_host	HEK293 Cells
Sequence	Met 1-His 205
Accession	NP_940991.1
Mol_Mass	46.8 kDa
AP_Mol_Mass	58-65 kDa
Tag	C-Fc

Properties

Purity	> 97 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4
Reconstitution	Please refer to the printed manual for detailed information.

Background

CD147/EMMPRIN (Extracellular Matrix Metalloproteinase Inducer), also known as Basigin (BSG), is a transmembrane glycoprotein with different forms resulted from different modes of glycosylation and N-terminal sequence variants. It is a member of the immunoglobulin superfamily with homology to both the immunoglobulin V domain and MHC class II antigen beta-chain. This protein play important roles in variety of events including spermatogenesis, embryo implantation, neural network formation. CD147 induces the production and release of matrix metalloproteinases (MMP) in the surrounding mesenchymal cells and tumor cells, and thereby promotes invasion, metastasis, growth and survival of malignant cells. Furthermore, CD147 also serves as a receptor for extracellular cyclophilin and its association with integrins might be important in signal transduction. Recently, CD147 displays increased expression in many cancers, and it has been previously demonstrated to participate in cancer metastasis and progression. Thus, CD147 and its antibody are used as an effective treatment for malignant cancers.

SDS-PAGE

