Recombinant Mouse CD147/BSG/Basigin Protein (His Tag)

Catalog Number:PDEM100007

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	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 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
Species	Mouse
Expression Host	E.coli
Sequence	Pro52-Arg325
Accession	P18572-1
Calculated Molecular Weight	30.3 kDa
Observed molecular weight	32.6 kDa
Tag	N-His

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

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.

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