

EMMPRIN/CD147 Protein, Human, Recombinant (His)

General Information

Synonyms:	5F7;TCSF;OK Blood Group Antigen;Tumor Cell-Derived Collagenase Stimulatory Factor; Collagenase Stimulatory Factor;BSG;Leukocyte Activation Antigen M6;Basigin;Extracellular Matrix Metalloproteinase Inducer;EMMPRIN;CD147
Protein Construction:	Ala22-His205
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P35613-2
Molecular Weight:	30-40 KDa (reducing condition)
AA Sequence:	Ala22-His205

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing 20 mM PB, 150 mM NaCl, pH 7.2.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Extracellular Matrix Metalloproteinase Inducer (EMMPRIN) belongs to the immunoglobulin superfamily, which has the homology to both the immunoglobulin V domain and MHC class II antigen β-chain. EMMPRIN is a transmembrane glycoprotein with different forms, resulting from different modes of glycosylation and N-terminal

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sequence variants. EMMPRIN can be expressed in breast cancer, oral squamous cell carcinoma, glioma, lymphoma, lung, bladder, and melanoma carcinomas cells. EMMPRIN promotes invasion, metastasis, growth, and survival of malignant cells, serves as a receptor for extracellular cyclophilin, may play a role in signal transduction.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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