

## CD147/BSG recombinant protein

Recombinant Human CD147/BSG, C-His

|                               |                                |                                                      |
|-------------------------------|--------------------------------|------------------------------------------------------|
| CATALOG #<br><b>AAA120524</b> | HOST<br><b>Mammalian cells</b> | APPLICATIONS<br><b>ELISA, Western Blot, SDS-Page</b> |
|-------------------------------|--------------------------------|------------------------------------------------------|

### PRODUCT SYNONYMS

CD147/BSG; Recombinant Human CD147/BSG; C-His; Hepatoma-associated antigen; BSG; HAb18G; 5F7; TCSF; OK blood group antigen; Collagenase stimulatory factor; CD147; Leukocyte activation antigen M6; Basigin; Extracellular matrix metalloproteinase inducer; EMMPRIN; Tumor cell-derived collagenase stimulatory factor; Drug Target; CD147/BSG recombinant protein

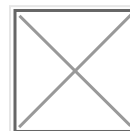
### PRODUCT SPECIFICATIONS

|                                                           |                                                                                                                                                                                     |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                      | Mammalian cells                                                                                                                                                                     |
| Purity/Purification                                       | >90% as determined by SDS-PAGE                                                                                                                                                      |
| Form/Format                                               | Lyophilized from a solution in PBS pH7.4, 1mM EDTA, 4% Trehalose, 1% Mannitol.                                                                                                      |
| Sequence Positions                                        | Met1-His205                                                                                                                                                                         |
| Sequence Length                                           | Met1-His205                                                                                                                                                                         |
| Applicable Applications for CD147/BSG recombinant protein | ELISA, WB (Western Blot), SDS-PAGE                                                                                                                                                  |
| Species                                                   | Human                                                                                                                                                                               |
| Reconstitution                                            | Reconstitute in sterile water for a stock solution.                                                                                                                                 |
| Preparation and Storage                                   | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt. |

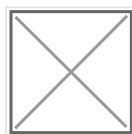
### IMAGES


**Bioactivity**

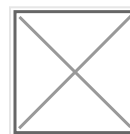
Detects Human CD147/BSG Antibody (4A5) in indirect ELISAs.


**Bioactivity**

Detects Gavilimomab in indirect ELISAs.


**Bioactivity**

Detects Meplazumab in indirect ELISAs.


**SDS-PAGE**

SDS PAGE for recombinant Human CD147 / BSG

### ADDITIONAL INFORMATION

|                                                             |                      |
|-------------------------------------------------------------|----------------------|
| Product Categories/Family for CD147/BSG recombinant protein | Recombinant Proteins |
|-------------------------------------------------------------|----------------------|

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | <p>The CD147-HYALURONAN Axis in Cancer. PMID: 31090215</p> <p>Role of CD147 (EMMPRIN/Basigin) in Tissue Remodeling. PMID: 30768865</p> <p>Role of melatonin in the treatment of COVID-19; as an adjuvant through cluster differentiation 147 (CD147). PMID: 32920757</p> <p>[CD147: role and therapeutic targeting of a promising molecule in the treatment of cancers]. PMID: 33052094</p> <p>CD147 and glioma: a meta-analysis. PMID: 28560663</p> |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 38372919                                                                                                                                                                                                           |
| NCBI GeneID                      | 682                                                                                                                                                                                                                |
| NCBI Accession #                 | NP_001719.2                                                                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_001728.3                                                                                                                                                                                                        |
| UniProt Accession #              | P35613; Q7Z796; Q8IZL7; A6NJW1; D3YLG5                                                                                                                                                                             |
| Molecular Weight                 | 42,200 Da                                                                                                                                                                                                          |
| NCBI Official Full Name          | basigin isoform 1                                                                                                                                                                                                  |
| NCBI Official Synonym Full Names | basigin (Ok blood group)                                                                                                                                                                                           |
| NCBI Official Symbol             | BSG                                                                                                                                                                                                                |
| NCBI Official Synonym Symbols    | M6; OK; 5F7; TCSF; CD147; EMMPRIN                                                                                                                                                                                  |
| NCBI Protein Information         | basigin; CD147 antigen; OK blood group antigen; collagenase stimulatory factor; leukocyte activation antigen M6; extracellular matrix metalloproteinase inducer; tumor cell-derived collagenase stimulatory factor |
| UniProt Protein Name             | Basigin                                                                                                                                                                                                            |
| UniProt Gene Name                | BSG                                                                                                                                                                                                                |
| UniProt Synonym Gene Names       | EMMPRIN; TCSF                                                                                                                                                                                                      |
| UniProt Entry Name               | BASI_HUMAN                                                                                                                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.