

## Product datasheet for PH303894

### CD147 (BSG) (NM\_198589) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	BSG MS Standard C13 and N15-labeled recombinant protein (NP_940991)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203894
Predicted MW:	29.2 kDa
Protein Sequence:	>RC203894 protein sequence Red=Cloning site Green=Tags(s)
	MAAALFVLLGFALLGTHGASGAAGTVFTTVEDLGSKILLTCSLNDSATEVTGHRWLKGGVVLKEDALPGQ KTEFKVDSDDQWGEYSCVFLPEPMGTANIQLHGPPRVKAVKSSEHINEGETAMLVCKSESVPPVTDWAWY KITDSEDKALMNGSESRFFVSSSQGRSELHIENLNMEADPGQYRCNGTSSKGSQAIITLVRSHLAALW PFLGIVAEVLVLTIIIFIYEKRRKPEDVLDDDDAGSAPLKSSGQHQNDKGKNVRQRNSS
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_940991</a>
RefSeq Size:	1759
RefSeq ORF:	807
Synonyms:	5F7; CD147; EMMPRIN; EMPRIN; HAb18G; OK; SLC7A11; TCSF
Locus ID:	682
UniProt ID:	<a href="#">P35613</a> , <a href="#">Q54A51</a>



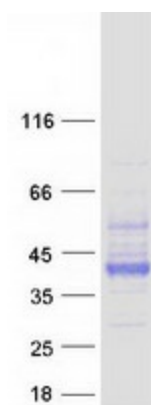
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**Cytogenetics:** 19p13.3

**Summary:** The protein encoded by this gene, basigin, is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. Basigin is also a member of the immunoglobulin superfamily, ubiquitously expressed in various tissues. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2020]

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

### Product images:



Coomassie blue staining of purified BSG protein (Cat# [TP303894]). The protein was produced from HEK293T cells transfected with BSG cDNA clone (Cat# [RC203894]) using MegaTran 2.0 (Cat# [TT210002]).