



# Recombinant Human BSG (a.a.138-321) [His] (DAGC344)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant Human Basigin(BSG), partial, N-terminal 6xHis-tagged.
<b>Species</b>	Human
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Conjugate</b>	His
<b>Applications</b>	ELISA
<b>Molecular Weight</b>	24.2kDa
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Format</b>	Liquid or Lyophilized powder
<b>Size</b>	20 µg, 100 µg, 1 mg
<b>Buffer</b>	Tris-based buffer, 50% glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.

## BACKGROUND

**Introduction**

Basigin (BSG) also known as extracellular matrix metalloproteinase inducer (EMMPRIN) or cluster of differentiation 147 (CD147) is a protein that in humans is encoded by the BSG gene. This protein is a determinant for the Ok blood group system. There are three known antigens in the Ok system; the most common being Oka (also called OK1), OK2 and OK3. Basigin has been shown to be an essential receptor on red blood cells for the human malaria parasite, Plasmodium falciparum.

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**Keywords**

BSG; basigin; HT-7; CD147

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