

CEACAM1 Protein, Human (His-SUMO)

Cat. No.:	HY-P72128
Synonyms:	Antigen CD66; BGP 1; BGP; BGP-1; BGPI; Biliary glycoprotein 1; Biliary glycoprotein adhesion molecule; Biliary glycoprotein; Carcinoembryonic antigen related cell adhesion molecule 1; carcinoembryonic antigen-related cell adhesion molecule 1 biliary glycoprotein; ; Carcinoembryonic antigen-related cell adhesion molecule 1; CD66a; CD66a antigen; CEACAM1; CEAM1_HUMAN; meconium antigen 100
Species:	Human
Source:	E. coli
Accession:	P13688 (Q35-G428)
Gene ID:	634
Molecular Weight:	Approximately 63.3 kDa

PROPERTIES

AA Sequence	<pre> Q L T T E S M P F N V A E G K E V L L L V H N L P Q Q L F G Y S W Y K G E R V D G N R Q I V G Y A I G T Q Q A T P G P A N S G R E T I Y P N A S L L I Q N V T Q N D T G F Y T L Q V I K S D L V N E E A T G Q F H V Y P E L P K P S I S S N N S N P V E D K D A V A F T C E P E T Q D T T Y L W W I N N Q S L P V S P R L Q L S N G N R T L T L L S V T R N D T G P Y E C E I Q N P V S A N R S D P V T L N V T Y G P D T P T I S P S D T Y Y R P G A N L S L S C Y A A S N P P A Q Y S W L I N G T F Q Q S T Q E L F I P N I T V N N S G S Y T C H A N N S V T G C N R T T V K T I I V T E L S P V V A K P Q I K A S K T T V T G D K D S V N L T C S T N D T G I S I R W F F K N Q S L P S S E R M K L S Q G N T T L S I N P V K R E D A G T Y W C E V F N P I S K N Q S D P I M L N V N Y N A L P Q E N G L S P G </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm solution of Tris-based buffer, 50% Glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The SF3R gene is involved in various biological processes and functions. It regulates insulin action by promoting the
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clearance of insulin and regulating lipogenesis in the liver. Upon insulin stimulation, SF3R undergoes phosphorylation by the insulin receptor (INSR), leading to increased insulin endocytosis and degradation. This results in a reduction of fatty acid synthesis. SF3R also plays a role in down-regulating cell proliferation through its interaction with SHC1, which decreases the coupling of SHC1 to the MAPK3/ERK1-MAPK1/ERK2 and phosphatidylinositol 3-kinase pathways.

Caution: Product has not been fully validated for medical applications. For research use only.

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