

CEACAM1 Protein, Human (HEK293, His)

Cat. No.:	HY-P72695
Synonyms:	Carcinoembryonic antigen-related cell adhesion molecule 1; BGP-1; CD66a; CEACAM1
Species:	Human
Source:	HEK293
Accession:	P13688 (Q35-G428)
Gene ID:	634
Molecular Weight:	60-90 kDa

PROPERTIES

AA Sequence	<p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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 clearance of insulin and regulating lipogenesis in the liver. Upon insulin stimulation, SF3R undergoes phosphorylation by
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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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