

CEACAM1 Protein, Human

Cat. No.:	HY-P72129
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 43.3 kDa

PROPERTIES

AA Sequence	<pre> QLTTESMPFN VAEGKEVLLL VHNLPQQLFG YSWYKGERVD GNRQIVGYAI GTQQATPGPA NSGRET IYPN ASLLIQNV TQ NDTG FYTLQV IKSDLVNEEA TGQFHVYPEL PKPSISSNNS NPVEDKDAVA FTCEPETQDT TYLWWINNQS LPVSPRLQLS NGNRTL TLLS VTRNDTGPYE CEIQNPVSAN RSDPVTLNVT YGPDTPTISP SDTY YRPGAN LSLSCYAASN PPAQYSWLIN GTFQQSTQEL FIPNITV NNS GSYTCHANNS VTGCNRTTVK TIIIVTE LSPV VAKPQIKASK TTVTGDKDSV NLTCSTNDTG ISIRWFFKNQ SLPSSERMKL SQGN T T L S I N PVKREDAGTY WCEVFNPISK NQSDPIMLNV NYNALPQENG LSPG </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
-------------------	---

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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA