Signal Peptide, CUB and EGF-Like Domain-Containing Protein 2 (SCUBE2) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Signal peptide, CUB and EGF-like domain-containing protein 2 (Scube2), Recombinant Protein
Full Product Name	Recombinant Mouse Signal peptide, CUB and EGF-like domain-containing protein 2 (Scube2) , partial
Product Gene Name	Scube2 recombinant protein
Product Synonym Gene Name	Scube2
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	109,924 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9JJS0
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Scube2 recombinant protein	MBS1353872 is a recombinant protein targeting Scube2. Also known as Recombinant Mouse Signal peptide, CUB and EGF-like domain-containing protein 2 (Scube2) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Scube2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Scube2. It may not necessarily be applicable to this product.

NCBI GI #	81868648
NCBI GeneID	56788
NCBI Accession #	Q9JJS0.1
UniProt Primary Accession #	Q9JJS0
UniProt Related Accession #	Q9JJS0
NCBI Official Full Name	Signal peptide, CUB and EGF-like domain-containing protein 2
NCBI Official Synonym Full Names	signal peptide, CUB domain, EGF-like 2
NCBI Official Symbol	Scube2

NCBI Official Synonym Symbols	Cegf1; Cegp1; 4932442O19Rik
UniProt Protein Name	Signal peptide, CUB and EGF-like domain-containing protein 2
UniProt Synonym Protein Names	Protein CEGP1; Scube/You
Protein Family	Signal peptide, CUB and EGF-like domain-containing protein
UniProt Gene Name	Scube2
NCBI Protein Information	signal peptide, CUB and EGF-like domain-containing protein 2
UniProt Comments for Scube2	Lipid-binding protein required for SHH long-range signaling by binding to the dually lipid-modified SHH (ShhNp) and by promoting ShhNp mobilization, solubilization and release from the cell membrane (PubMed:22902404, PubMed:22677548). Acts by enhancing the proteolytic processing (shedding) of the lipid-modified N- and C-terminal of ShhNp at the cell surface (PubMed:24522195). Synergizes with DISP1 to cause a increase in SHH secretion (PubMed:22902404). Probable cell surface coreceptor for VEGFR2 involved in VEGFR2-mediated angiogenesis (PubMed:27834687).
Research Articles on Scube2	**1.** Endothelial SCUBE2 may be a novel coreceptor for VEGFR2 and potentiate VEGF-induced signaling in adult angiogenesis.
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