Recombinant Guinea pig Vascular endothelial growth factor A (VEGFA)

Product Code	CSB-MP025833GU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P26617
Product Type	Recombinant Protein
Immunogen Species	Cavia porcellus (Guinea pig)
Purity	>85% (SDS-PAGE)
Sequence	APMAEGEQKP REEVKFMDVY KRSYCRPIEM LVDIFQEYPD EIEYIFKPSC VPLMRCGGCC NDESLECVPT EEFNITMQIM RIKPHQGQHI GEMSFLQHSK CECRPKKEKA RQENPCGPCS ERRKHLFVQD PQTCKCSCRN TDSRCKARQL ELNERTCRCD KPRR
Source	Mammalian cell
Target Names	VEGFA
Protein Names	Recommended name: Vascular endothelial growth factor A Short name= VEGF-A Alternative name(s): Vascular permeability factor Short name= VPF
Expression Region	1-164
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene is a member of the PDGF/VEGF growth factor family and encodes a protein that is often found as a disulfide linked homodimer. This protein is a glycosylated mitogen that specifically acts on endothelial cells and has various effects, including mediating increased vascular permeability, inducing angiogenesis, vasculogenesis and endothelial cell growth, promoting cell migration, and inhibiting apoptosis. Elevated levels of this protein is linked to POEMS syndrome, also known as Crow-Fukase syndrome. Mutations in this gene have been associated with proliferative and nonproliferative diabetic retinopathy. Alternatively spliced transcript variants, encoding either freely secreted or cell-associated isoforms, have been characterized. There is also evidence for the use of non-AUG (CUG) translation initiation sites upstream of, and in-frame with the first AUG, leading to additional isoforms.
Reconstitution	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.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.
Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.