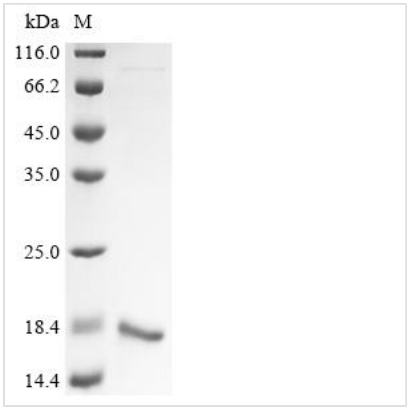
Recombinant Human Placenta-specific protein 9 (PLAC9)

Product Code	CSB-EP689337HU
Abbreviation	Recombinant Human PLAC9 protein
Storage	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.
Uniprot No.	Q5JTB6
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Human Placenta-specific protein 9(PLAC9)
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	AEPFSPPRGDSAQSTACDRHMAVQRRLDVMEEMVEKTVDHLGTEVKGLLGLLEELAWNLPPGPFSPAPDLLGDGF
Research Area	Cell Biology
Source	E.coli
Target Names	PLAC9
Expression Region	23-97aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 6xHis-tagged
Mol. Weight	15.0 kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The creation of the recombinant Human PLAC9 protein is achieved through genetic engineering techniques. A specific DNA sequence coding for the Human PLAC9 protein (23-97aa) is integrated into an expression vector, which serves as a carrier for gene expression. This vector is then introduced into e.coli cells, which are cultured to facilitate the expression of the desired protein. The protein is fused with a C-terminal 6xHis tag. The recombinant Human PLAC9 protein is subsequently purified using affinity purification, resulting in a purity level exceeding 90%, as verified by SDS-PAGE analysis.

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.
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