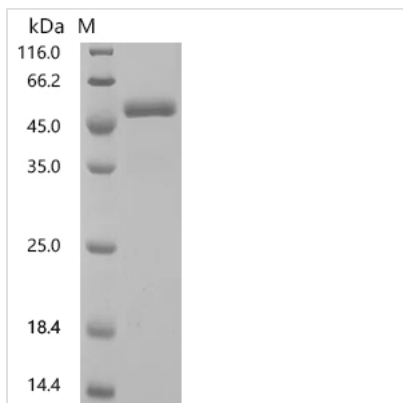




Recombinant *Macaca fascicularis* Urokinase-type plasminogen activator (PLAU) (Active)

Product Code	CSB-MP6725MOV
Abbreviation	Recombinant Cynomolgus monkey PLAU protein (Active)
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.	A0A2K5WND1
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	<i>Macaca fascicularis</i> (Crab-eating macaque) (Cynomolgus monkey)
Biological Activity	Fully active measured by its ability to cleave a peptide substrate, N-carbobenzyloxy-Gly-Gly-Arg-7-amido-4-methylcoumarin (Z-GGR-AMC). PLAU needs to be activated by Plasmin to be enzymatically active. The specific activity is ? 2000 pmol/min/ug.
Purity	≥ 95% as determined by SDS-PAGE.
Sequence	SRELQVPSDCGCLNGGTCMSNKYFSSIHWCNCPKKFGGQHCEIDKSKTCYE GNGHFYRGKASTDTMGRSCLAWNSATVLQQTYYHAHRSDALQLGLGKHNYCR NPDNRRRPWCYVQVGLKQLVQECMVQNCADGKKPSSPPEELQFQCGQRTL RPRFKIVGGFTTIENQPWFAAIYRRHRGGSVTYVCGGSLISPCWVVSATHCFI NYPKKEDIYVYLGRSRLNSNTQGEMKFEVENLILHEDYSADTLAHHNDIALLKIR SKEGRCAQPSRTIQTICLPSTYNDPPFGTSCEITGFGKENSTDYLYPERLKMTV VKLVSHQKCCQPPHYYGSEVTTKMLCAADPQWETDSCQGDSSGGPLVCSIQGH MTLTGIVSWGRGCALKDKPGVYTRVSRFLPWIHSHTREENGLAL
Source	Mammalian cell
Target Names	PLAU
Expression Region	21-430aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	47.5 kDa
Protein Length	Full Length of Mature Protein
Image	



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

Enzyme	Cynomolgus PLAU (CSB-MP6725MOV)	1µg/well
Substrate	Z-Gly-Gly-Arg-AMC (Bachem, Catalog # I-1140)	200µM
Reaction system	/	100µl
Reaction conditions	5min in dark	/
Buffer	50 mM Tris, 0.01% (v/v) Tween® 20, pH 8.5	/
Enzyme activity unit	>2000 pmol/min/ug	/

Activity

Fully active measured by its ability to cleave a peptide substrate, N-carbobenzyloxy-Gly-Gly-Arg-7-amido-4-methylcoumarin (Z-GGR-AMC). PLAU needs to be activated by Plasmin to be enzymatically active. The specific activity is ? 2000 pmol/min/ug.

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

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.