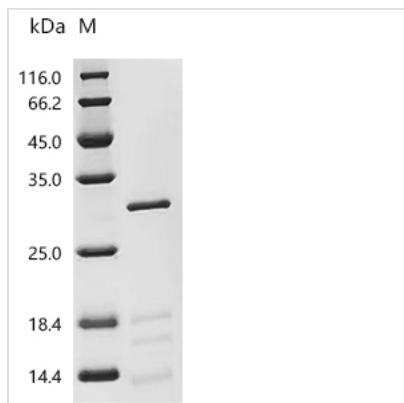




Recombinant Mouse Urokinase-type plasminogen activator (Plau) (Active)

Product Code	CSB-MP018121MO
Abbreviation	Recombinant Mouse 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.	P06869
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	Mus musculus (Mouse)
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 above 2000 pmol/min/ug.
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	GSVLGAPDESNCGCQNGGVCVSYKYFSRIRRCSCPRKFQGEHCEIDASKTCY HGNGDSYRGKANTDTKGRPCLAWNAPAVLQKPYNAHRPDAISLGLGKHNYC RNPDNQKRPWCYVQIGLRQFVQECMVHDCSLSKKPSSSVDDQQGFQCGQKAL RPRFKIVGGEFTEVENQPWFAAIYQKNKGGSPPSFKCGGSLISPCWVASAAH CFIQLPKKENYVVYLGQSKESSYNPGEMKFEVEQLILHEYYREDSLAYHNDIAL LKIRTSTGQCAQPSRSIQTICLPPRFTDAPFGSDCEITGFGKESESDYLYPKNLK MSVVKLVSHEQCMQPHYYGSEINYKMLCAADPEWKTDSCCKGDSGGPLICNIE GRPTLSGIVSWGRGCAEKNKPGVYTRVSHFLDWIQSHIGEEKGLAF
Source	Mammalian cell
Target Names	Plau
Expression Region	21-433aa
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	47.4 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	Mouse Plau (CSB-MP018121MO)	1µg/well
Substrate	Z-Gly-Gly-Arg-AMC acetate (MCEHY-P0019A)	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 above 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.