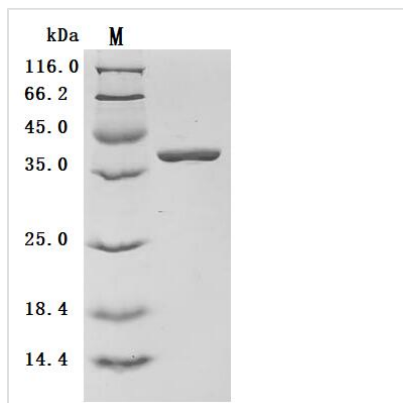


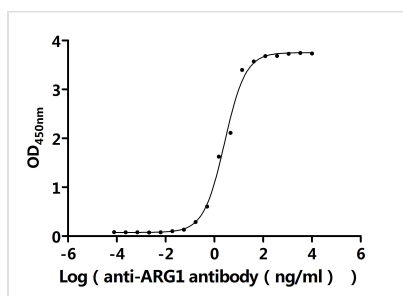


Recombinant Human Arginase-1 (ARG1) (Active)

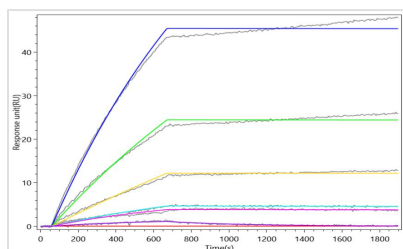
Product Code	CSB-MP002005HU
Abbreviation	Recombinant Human ARG1 protein (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P05089
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	Homo sapiens (Human)
Biological Activity	<p>① Measured by its binding ability in a functional ELISA. Immobilized Human ARG1 at 2 µg/mL can bind Anti-ARG1 recombinant antibody (CSB-RA002005MA1HU). The EC50 is 2.291-3.018 ng/mL.</p> <p>② ARG1 Recombinant Monoclonal Antibody (CSB-RA002005MA1HU) captured on Protein A Chip can bind Recombinant Human ARG1 with an affinity constant of 0.918 nM as detected by MetaSPR Assay (WeSPRTM 200).</p>
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	MSAKSRTIGIIGAPFSKGGQPRGGVEEGPTVLRKAGLLEKLKEQECVDKDYGDL PFADIPNDSPFQIVKNPRSVGKASEQLAGKVAEVKKNGRISLVLGGDHSLAIGSI SGHARVHPDLGVIWVDAHTDINTPLTTTSGNLHGQPVSFLLKELKKGKIPDVPGF SWVTPCISAKDIVYIGLRDVPGEHYILKTLGIKYFSMTEVDRLGIGKVMEEETLS YLLGRKKRPIHLSFDVDGLDPSFTPATGTPVVGGLTYREGLYITEEIYKTGLLSG LDIMEVNP SLGKTPEEVTRTVNTAVAITLACFGLAREGNHKPIDYLNPPK
Source	Mammalian cell
Target Names	ARG1
Expression Region	1-322aa
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	36.2 kDa
Protein Length	Full Length
Image	



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



Activity
Measured by its binding ability in a functional ELISA. Immobilized Human ARG1 at 2 μ g/ml can bind Anti-ARG1 recombinant antibody (CSB-RA002005MA1HU). The EC_{50} is 2.291-3.018 ng/mL.



Activity
ARG1 Recombinant Monoclonal Antibody (CSB-RA002005MA1HU) captured on Protein A Chip can bind Recombinant Human ARG1 with an affinity constant of 0.918 nM as detected by MetaSPR Assay (WeSPRTM 200).

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.