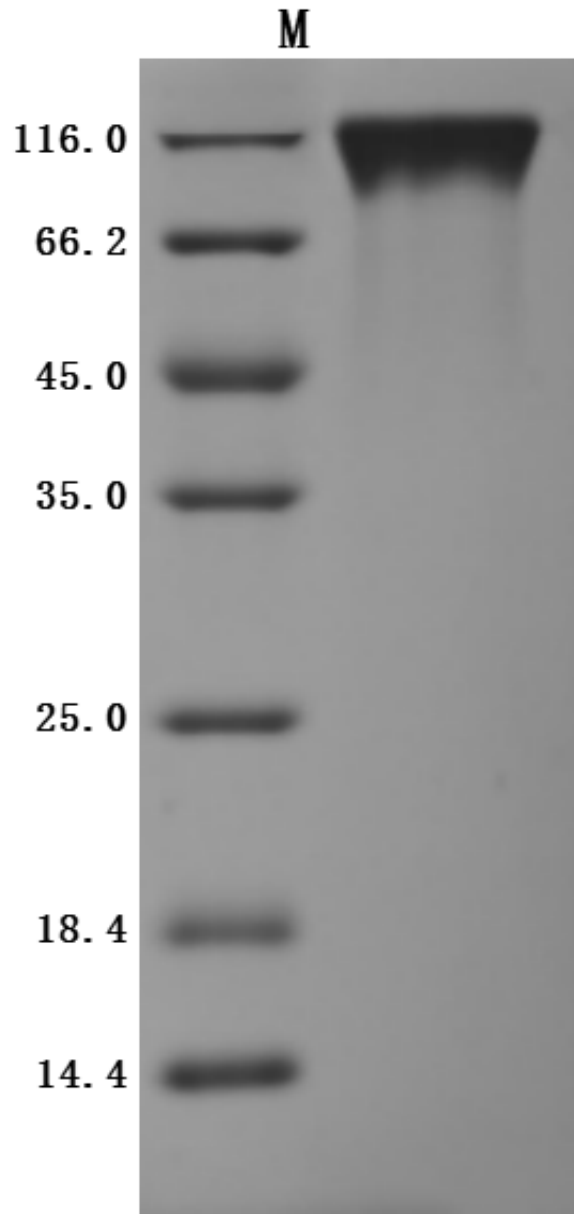


Recombinant Human MERTK protein, C-His Tag

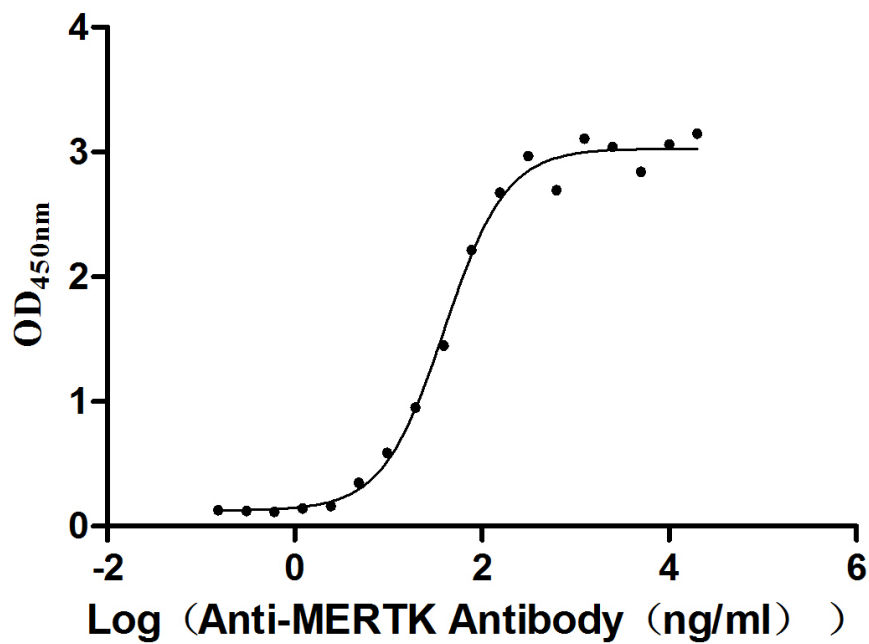
Product Information

Cat	IMP-6058
Official Symbol	MERTK
Product Overview	Recombinant Human MERTK protein(Q12866)(21-505aa), fused with C-terminal 10xHis tag, was expressed in HEK293.
Expression System	HEK293
Species	Human
Tag	C-His Tag
Form	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 0.2 M Arg, 6% Trehalose, pH 8.0
Molecular Mass	55.4 kDa
Protein length	21-505aa
AA Sequence	AITEAREEEAKPYPLFPGPFPGSLQTDHTPLLSLPHASGYQPALMFSPTQP GRPHTGNVAIPQVTSVESKPLPPLAFKHTVGHIIILSEHKGVKFNCSISVPNI YQDTTISWWKDGKELLGAHHAITQFYPDDEVTAIASFSITSVQRSDNGSYI CKMKINNEEIVSDPIYIEVQGLPHFTKQPESMNVTRNTAFNLTCQAVGPPE PVNIFWVQNSSRVNEQPEKSPSVLTVPGLTEMAVFSCEAHNDKGLTVSK GVQINIKAI P S P P T E V S I R N S T A H S I L I S W V P G F D G Y S P F R N C S I Q V K E A D P L S N G S V M I F N T S A L P H L Y Q I K Q L Q A L A N Y S I G V S C M N E I G W S A V S P W I L A S T T E G A P S V A P L N V T V F L N E S S D N V D I R W M K P P T K Q Q D G E L V G Y R I S H V W Q S A G I S K E L L E E V G Q N G S R A R I S V Q V H N A T C T V R I A A V T R G G V G P F S D P V K I F I P A H G W V D Y A P S S T P A P G N A D P V L I I
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Purity	Greater than 95% as determined by SDS-PAGE.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized MERTK at 2 µg/mL can bind anti-MERTK antibody □ CSB-RA621519A1HU □, the EC50 is 32.95-48.25 ng/mL.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
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. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20□/-80□. Our default final concentration of glycerol is 50%. Customers could use it as reference.

SDS-PAGE



Bioactivity-ELISA 1



Measured by its binding ability in a functional ELISA. Immobilized MERTK at 2 $\mu\text{g/ml}$ can bind anti-MERTK antibody \square CSB-RA621519A1HU \square , the EC₅₀ is 32.95-48.25 ng/mL.