

Recombinant Rat ACE2 Protein (Met1-Thr740), C-10×His-tagged

Product Information

Cat	<i>IMP-10649</i>
Official Symbol	<i>ACE2</i>
Product Overview	<i>Recombinant Rat ACE-2 protein (Met1-Thr740) with a C-terminal 10-His tag was expressed in Mouse myeloma cell line.</i>
Description	<i>Enables carboxypeptidase activity. Involved in maternal process involved in female pregnancy; negative regulation of ERK1 and ERK2 cascade; and negative regulation of smooth muscle cell proliferation. Located in extracellular space and membrane. Used to study glaucoma; myocardial infarction; and thrombosis. Biomarker of hypertension; lung disease; middle cerebral artery infarction; myocardial infarction; and primary biliary cholangitis. Human ortholog(s) of this gene implicated in several diseases, including avian influenza; cerebral malaria; hypertension (multiple); respiratory syncytial virus infectious disease; and severe acute respiratory syndrome. Orthologous to human ACE2 (angiotensin converting enzyme 2).</i>
Expression System	<i>Mouse myeloma cell line</i>
Species	<i>Rat</i>
Tag	<i>C-10×His</i>
Predicted N Terminal	<i>No results obtained: Gln18 predicted</i>
Form	<i>Supplied as a 0.2 µm filtered solution in Tris, NaCl, ZnCl₂ and Glycerol.</i>
Molecular Mass	<i>Predicted Molecular Mass: 85 kDa SDS-PAGE: 120 kDa, reducing conditions</i>
Protein length	<i>Met1-Thr740</i>
Bio-activity	<i>Measured by its ability to cleave a fluorogenic peptide substrate, Mca-YVADAPK(Dnp)-OH. The specific activity is >300 pmol/min/µg, as measured under the described conditions.</i>
Endotoxin	
Purity	<i>>95%, by SDS-PAGE under reducing conditions and visualized by silver stain</i>
Storage	<i>Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.</i>