

Mouse ACE2/ACEH Protein



Cat. No. ACE-MM102

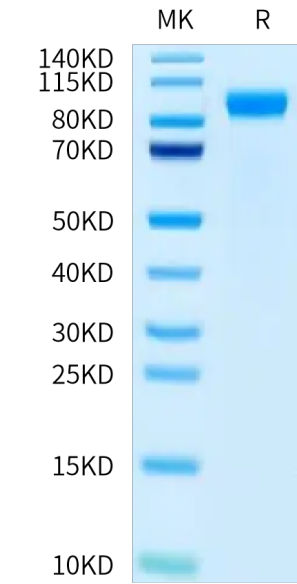
Description	
Source	Recombinant Mouse ACE2/ACEH Protein is expressed from HEK293 with His tag at the C-terminus It contains Gln18-Thr740.
Accession	Q8R0I0-1
Molecular Weight	The protein has a predicted MW of 84.57 kDa. Due to glycosylation, the protein migrates to 85-105 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
ACE2 (Angiotensin I Converting Enzyme 2) is a Protein Coding gene. Diseases associated with ACE2 include Severe Acute Respiratory Syndrome and Neurogenic Hypertension. The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzyme. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7.	

Assay Data

Bis-Tris PAGE



Mouse ACE2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

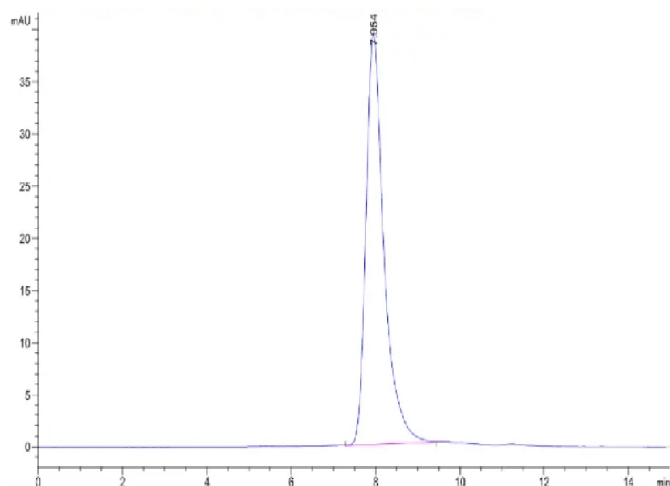
SEC-HPLC

## Mouse ACE2/ACEH Protein

Cat. No. ACE-MM102

KACATUS

### Assay Data



The purity of Mouse ACE2 is greater than 95% as determined by SEC-HPLC.

### Bioactivity Data

Measured by its ability to cleave a fluorogenic peptide substrate, Mca-YVADAPK(Dnp)-OH. The specific activity is >200 pmol/min/μg, as measured under the described conditions.