

Mouse CA2/Carbonic anhydrase II Protein

Cat. No. CAS-MM102

Description

Source	Recombinant Mouse CA2/Carbonic anhydrase II Protein is expressed from HEK293 with His tag at the C-terminus. It contains Ser2-Lys260.
Accession	P00920
Molecular Weight	The protein has a predicted MW of 29.99 kDa. Due to glycosylation, the protein migrates to 30-35 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

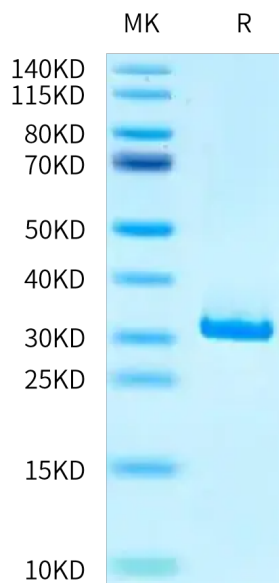
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Carbonic anhydrase II (CA II) is a zinc metalloenzyme that catalyzes the reversible interconversion of water and CO_2 to bicarbonate and a proton. CA II is abundant in most cells, and plays a role in numerous processes including gas exchange, epithelial ion transport, respiration, extra- and intracellular pH control, and vascular regulation.

Assay Data

Bis-Tris PAGE



Mouse CA2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

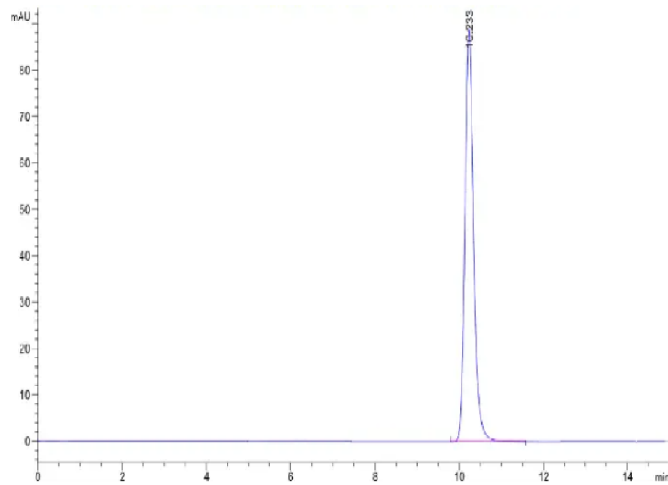
SEC-HPLC

Mouse CA2/Carbonic anhydrase II Protein

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KACATUS

Assay Data



The purity of Mouse CA2 is greater than 95% as determined by SEC-HPLC.

Bioactivity Data

Measured by its esterase activity. The specific activity is > 100 pmol/min/μg.