Human CA12/Carbonic anhydrase XII Protein

Cat. No. CAS-HM212

Description

Source	Recombinant Human CA12/Carbonic anhydrase XII Protein is expressed from HEK293 with hFc tag at the C-terminus.
	It contains Ala25-Ser301.
Accession	O43570-1
Molecular Weight	The protein has a predicted MW of 57.06 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

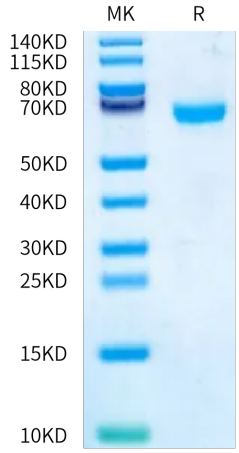
Formulation	Supplied as 0.22 μm filtered solution in 25mM Tris, 150mM NaCl (pH 7.5).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Carbonic anhydrases (CAs) are a family of enzymes involved in the pH regulation of metabolically active cells/tissues. Carbonic anhydrase XII (CA XII) is a key mediator of several signaling pathways that are involved in cancer development.

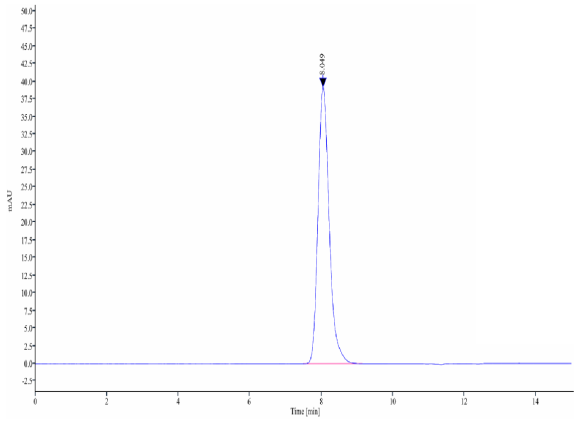
Assay Data

Bis-Tris PAGE



Human CA12 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human CA12 is greater than 95% as determined by SEC-HPLC.

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