Active Recombinant Human CA7 protein(Met1-Ala264), His-tagged

Cat. No. CA7-2499H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CA7 (P43166) (Met 1-Ala 264) was expressed in E. coli, fused with a polyhistide tag at the C-terminus.
Species	Human
Source	E.coli
ProteinLength	Met1-Ala264
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its esterase activity. The activity is >20 pmoles/min/μg.
Molecular Mass	The recombinant human CA7 consisting of 274 amino acids and has a calculated molecular mass of 31 kDa. It migrates as an approximately 33 kDa band in SDS-PAGE under reducing conditions.
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CA7 carbonic anhydrase VII [Homo sapiens]
Official Symbol	CA7
Synonyms	CA7; carbonic anhydrase VII; carbonic anhydrase 7; CA-VII; carbonic dehydratase VII; carbonate dehydratase VII; CAVII;
Gene ID	766
mRNA Refseq	NM_001014435
Protein Refseq	NP_001014435
MIM	114770
UniProt ID	P43166

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