

Active Recombinant Human CA7 Protein, His-tagged

Cat. No. CA7-557H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CA7 (Accession # NP_005173) Thr2-Ala264, fused with a C-terminal 10-His tag, was produced in E. coli.
Species	Human
Source	E.coli
ProteinLength	Thr2-Ala264
Predicted N Terminal	Thr2
Form	Supplied as a 0.2 µ filtered solution in Tris and NaCl.
Bio-activity	Measured by its esterase activity. The specific activity is >20 pmol/min/µg, as measured under the described conditions.
Molecular Mass	Recombinant Human CA7, His-tagged has a calculated MW of 31 kDa. In SDS-PAGE migrates as 31 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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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
Chromosome Location	16q22.1

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