

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 polyhistidine 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. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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