

Active Recombinant Human CA9 Protein, His-tagged

Cat. No. CA9-854H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CA9 Protein(NP_000090.1) (Ser 27-Ala 146), fused to C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ser 27-Ala 146
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 ability to inhibit papain cleavage of a fluorogenic peptide substrate Z-FR-AMC,R&D Systems. The IC50 value is < 12 nM.
Molecular Mass	The mature recombinant human Cystatin-C consists of 131 amino acids and predicts a molecular mass of 14.8 kDa. The rh Cystatin-C migrates as approximately 17 kDa band in SDS-PAGE as a result of glycosylation.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.

 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

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.

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 CA9 carbonic anhydrase IX [Homo sapiens]

Official Symbol CA9

Synonyms CA9; carbonic anhydrase IX; carbonic anhydrase 9; CAIX; carbonic dehydratase; MN; RCC associated protein G250; pMW1; CA-IX; P54/58N; membrane antigen MN; carbonate dehydratase IX; RCC-associated antigen G250; RCC-associated protein G250; renal cell carcinoma-associated antigen G250;

Gene ID 768

mRNA Refseq NM_001216

Protein Refseq NP_001207

MIM 603179

UniProt ID Q16790

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