

Active Recombinant Human CA3 protein, His-tagged

Cat. No. CA3-1143H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CA3 protein(NP_005172.1)(Met1-Lys260), fused with His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Lys260
Form	Lyophilized from sterile 50mM Tris, 500mM NaCl, 10% glycerol, pH 8.0Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its esterase activity.The specific activity is >5 pmoles/min/μg.
Molecular Mass	The recombinant human CA3 consisting of 266 amino acids and has a calculated molecular mass of 30.4 kDa as estimated in SDS-PAGE under reducing conditions.
Purity	> 95 % 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 CA3 carbonic anhydrase III, muscle specific [Homo sapiens]

Official Symbol CA3

Synonyms CA3; carbonic anhydrase III, muscle specific; carbonic anhydrase 3; CAIII; Car3; CA-III; carbonate dehydratase III; FLJ36434;

Gene ID 761

mRNA Refseq NM_005181

Protein Refseq NP_005172

MIM 114750

UniProt ID P07451

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