

## Recombinant Human CA3 protein, His-tagged

Cat. No. CA3-10620H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CA3 protein(NP_005172.1) (Met 1-Lys 260) was expressed in E. coli, with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	E. coli
<b>ProteinLength</b>	1-260 aa
<b>Form</b>	Lyophilized from sterile 50mM Tris, 500mM NaCl, 10% glycerol, pH 8.0.
<b>Bio-activity</b>	Measured by its esterase activity. The specific activity is >5 pmoles/min/μg.
<b>Molecular Mass</b>	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.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	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.

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## 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

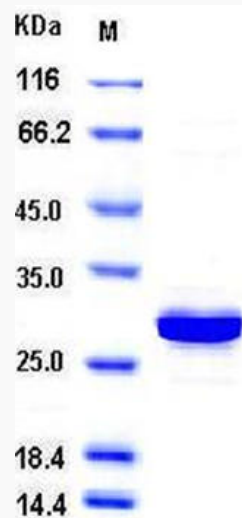
**mRNA Refseq** NM\_005181

**Protein Refseq** NP\_005172

**MIM** 114750

**UniProt ID** P07451

### SDS-PAGE



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