

Active Recombinant Human CA8 protein, His-tagged

Cat. No. CA8-879H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CA8 protein(NP_004047.3) (Met 1-Gln 290) was expressed in E. coli, with a polyhistidine tag at the C-terminus.
Species	Human
Source	E. coli
ProteinLength	1-290 aa
Form	Lyophilized from sterile PBS, 15% glycerol, pH 7.5.
Bio-activity	Measured by its esterase activity. The specific activity is >100 pmoles/min/μg.
Molecular Mass	The recombinant human CA8 comprises 296 amino acids and has a predicted molecular mass of 33.8 kDa. It migrates as an approximately 37 kDa band in SDS-PAGE under reducing conditions.
Purity	> 94 % as determined by SDS-PAGE
Storage	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.
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.

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GENE INFORMATION

Gene Name	CA8 carbonic anhydrase VIII [Homo sapiens]
Official Symbol	CA8
Synonyms	CA8; carbonic anhydrase VIII; CALS; carbonic anhydrase-related protein; CARP; CA-related protein; carbonate dehydratase; carbonic anhydrase-like sequence; CAMRQ3; CA-VIII; MGC99509; MGC120502;
Gene ID	767
mRNA Refseq	NM_004056
Protein Refseq	NP_004047
MIM	114815
UniProt ID	P35219

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SDS-PAGE



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