

# Active Recombinant human CA5A Full Length protein, His-tagged

**Cat. No.** CA5A-719H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human CA5A protein(Ala40-Ser305), fused with C-terminal His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala40-Ser305
<b>Tag</b>	C-His
<b>Form</b>	Liquid in sterile PBS, pH7.4, 10% Glycerol, 8% Trehalose.
<b>Bio-activity</b>	Measured by its esterase activity. The specific activity is >500 pmoles/min/μg.
<b>Molecular Mass</b>	The protein has a calculated MW of 31 kDa.
<b>Endotoxin</b>	<1.0EU per 1μg (determined by the LAL method).
<b>Purity</b>	> 90 % as determined by SDS-PAGE.
<b>Storage</b>	Store it under sterile conditions at -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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<b>Concentration</b>	0.9 mg/ml.
<b>Reconstitution</b>	Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>AA Sequence</b>	MAWQTSNNTLHPLWTVPSVPGGTRQSPINIQWRDSVYDPQLKPLRVSYEAASCLY IWNTGYLFQVEFDDATEASGISGGPLENHRYLKQFHFWGAVNEGGSEHTVDGHA YPAELHLVHNSVKYQNYKEAVVGENGLAVIGVFLKLGAAHQTLQRLVDILPEIKHK DARAAMRPFDPSTLLPTCWDYWTYAGSLTTPPLTESVTWIIQKEPVEVAPSQLSAFR TLLFSALGEEEEKMMVNYYRPLQPLMNRKVVASFQATNEGTRSAHHHHHHHHHH

## GENE INFORMATION

<b>Gene Name</b>	CA5A carbonic anhydrase VA, mitochondrial [ Homo sapiens ]
<b>Official Symbol</b>	CA5A
<b>Synonyms</b>	CA5A; carbonic anhydrase VA, mitochondrial; CA5; carbonic anhydrase 5A, mitochondrial; CAV; CAVA; CA-VA; carbonic dehydratase; carbonate dehydratase VA; carbonic anhydrase V, mitochondrial;
<b>Gene ID</b>	763
<b>mRNA Refseq</b>	NM_001739
<b>Protein Refseq</b>	NP_001730
<b>MIM</b>	114761
<b>UniProt ID</b>	P35218

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