

Active Recombinant human CA5A Full Length protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CA5A protein(Ala40-Ser305), fused with C-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala40-Ser305
Tag	C-His
Form	Liquid in sterile PBS, pH7.4, 10% Glycerol, 8% Trehalose.
Bio-activity	Measured by its esterase activity. The specific activity is >500 pmoles/min/μg.
Molecular Mass	The protein has a calculated MW of 31 kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method).
Purity	> 90 % as determined by SDS-PAGE.
Storage	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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Concentration	0.9 mg/ml.
Reconstitution	Centrifuge the vial at 4°C before opening to recover the entire contents.
AA Sequence	MAWQTSNNTLHPLWTVPSVPGGTRQSPINIQWRDSVYDPQLKPLRVSYEAASCLY IWNTGYLFQVEFDDATEASGISGGPLENHRYLKQFHFWGAVNEGGSEHTVDGHA YPAELHLVHWNSVKYQNYKEAVVGENGLAVIGVFLKLGAAHQTLQRLVDILPEIKHK DARAAMRPFDPSTLLPTCWDYWTYAGSLTTPPLTESVTWIIQKEPVEVAPSQLSAFR TLLFSALGEEEEKMMVNNYRPLQPLMNRKVWASFQATNEGTRSAHHHHHHHHHH

GENE INFORMATION

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

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