

## Recombinant Human CA5A protein

**Cat. No.** CA5A-8564H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CA5A protein(P35218)(39-305aa) was expressed in HEK293.                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 39-305aa                                                                                                                                                                                                                                                                                                          |
| <b>Tag</b>              | Non                                                                                                                                                                                                                                                                                                               |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                |
| <b>Molecular Mass</b>   | 30.6 kDa                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                       |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                    |
| <b>Reconstitution</b>   | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. |

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**AA Sequence**

CAWQTSNNTLHPLWTVPVSVPGGTRQSPINIQWRDSVYDPQLKPLRVSYEAASCLY  
 IWNTGYLFQVEFDDATEASGISGGPLENHRYLKQFHFHWGAVNEGGSEHTVDGHA  
 YPAELHLVHWNSVKYQNYKEAVVGENGLAVIGVFLKLGAAHHQTLQRLVDILPEIKHK  
 DARAAMRPFDPSTLLPTCWDYWTYAGSLTTPPLTESVTWIIQKEPVEVAPSQLSAFR  
 TLLFSALGEEEEKMMVNRYRPLQPLMNRKVVASFQATNEGTRS

## 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

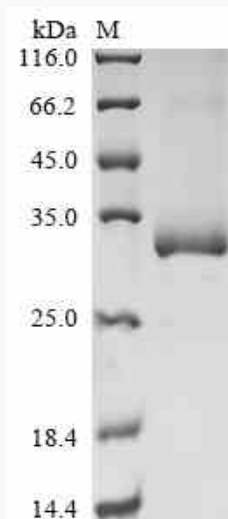
**UniProt ID** P35218

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## SDS-PAGE



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