



# Recombinant Human Carbonic anhydrase-related protein 10 (CA10)

<b>Product Code</b>	CSB-EP878879HU
<b>Abbreviation</b>	CA10
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9NS85
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MEIVWEVLFL LQANFIVCIS AQQNSPKIHE GWWAYKEVVQ GSFVPVPSFW GLVNSAWNLC SVGKRQSPVN IETSHMIFDP FLTPLRINTG GRKVS GMTMYN TGRHVSLRLD KEHLVNISGG PMTYSHRLEE IRLHFGSEDS QGSEHLLNGQ AFSGEVQLIH YNHELYTNVT EAAKSPNGLV VVSIFIKVSD SSNPFLNRML NRDTITRITY KNDAYLLQGL NIEELYPETS SFITYDGSM T IPPCYETASW IIMNKPVIYIT RMQMHSRLRL SQNQPSQIFL SMSDNFRPVQ PLNNRCIRTN INFSLQGKDC PNNRAQKLQY RVNEWLLK
<b>Source</b>	E.coli
<b>Target Names</b>	CA10
<b>Protein Names</b>	Recommended name: Carbonic anhydrase-related protein 10 Alternative name(s): Carbonic anhydrase-related protein X Short name= CA-RP X Short name= CARP X Cerebral protein 15
<b>Expression Region</b>	1-328
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene encodes a protein that belongs to the carbonic anhydrase family of zinc metalloenzymes, which catalyze the reversible hydration of carbon dioxide in various biological processes. This protein is an acatalytic member of the alpha-carbonic anhydrase subgroup, and it is thought to play a role in the central nervous system, especially in brain development. Multiple transcript variants encoding the same protein have been found for this gene.
<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. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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