

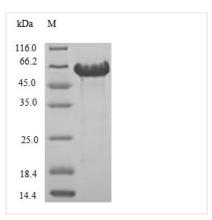




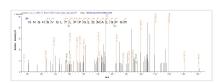
Recombinant Human Carbonic anhydrase 9 (CA9), partial

Product Code	CSB-EP614990HU
Abbreviation	Recombinant Human CA9 protein, partial
Storage	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.
Uniprot No.	Q16790
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Source	E.coli
Target Names	CA9
Protein Names	Recommended name: Carbonic anhydrase 9 EC= 4.2.1.1Alternative name(s): Carbonate dehydratase IX Carbonic anhydrase IX Short name= CA-IX Short name= CAIX Membrane antigen MN P54/58N Renal cell carcinoma-associated antige
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Protein Length	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

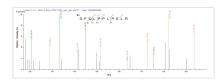


Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP614990HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) CA9.









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Description

The production of this Recombinant Human CA9 protein started with the CA9 gene synthesis. And then using recombinant DNA technology, the CA9 gene was inserted into an expression vector so that we could get the recombinant express plasmid of CA9. Transform the plasmid into the cells of E.coli, culture the cells and we could get the desired Recombinant Human CA9 protein. But the work was not completed, protein purification and a strict QC system were performed in the last step. The purity is 85%+ determined by SDS-PAGE.

CA9 (also called G250 or MN) is a gene providing an instruction of making a protein named carbonic anhydrase 9 (CA9) in human. The protein encoded by this gene has several alternative names, including carbonate dehydratase IX, carbonic anhydrase IX (CA-IX or CAIX), membrane antigen MN, P54/58N, RCCassociated antigen G250 and pMW1. CAP protein is a transmembrane dimeric metalloenzyme with an extracellular active site that facilitates acid secretion in the gastrointestinal tract. This protein is overexpressed in many types of cancer.

Shelf Life

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