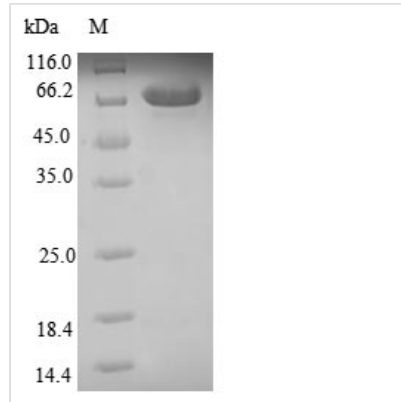


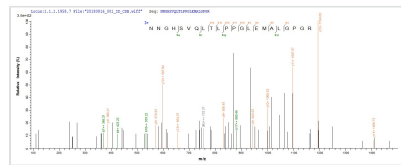


Recombinant Human Carbonic anhydrase 9 (CA9), partial

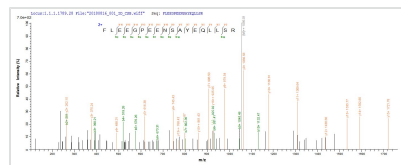
Product Code	CSB-EP614990HUc0
Relevance	Reversible hydration of carbon dioxide. Participates in pH regulation. May be involved in the control of cell proliferation and transformation. Appears to be a novel specific biomarker for a cervical neoplasia.
Abbreviation	Recombinant Human CA9 protein, partial
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 Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	DLPSEEDSPREEDPPGEEDLPGCEEDLPGCEEDLPEVKPKSEEEGSLKLEDLPTV EAPGDPQEPQNNHRDKEGDDQSHWRYGGDPPWPRVSPACAGRFQSPVDI RPQLAAFPCALRPLELLGFQLPPLPELRLRNNGHSVQLTLPPGLEMALGPGRE YRALQLHLHWGAAGRPGSEHTVEGHRFP AEIHVVHLSTAFARVDEALGRPGG LAVLAAFLEEGPEENSAYEQLLSRLEEIAEEGSETQVPGLDISALLPSDFSRYF QYEGSLTTPPCAQGVIVTVFNQTVMLSAKQLHTLSDTLWGP GDSRLQLNFRA TQPLNGRVIEASFPAGVDSSPR
Research Area	Metabolism
Source	E.coli
Target Names	CA9
Protein Names	Carbonate dehydratase IXCarbonic anhydrase IX ;CA-IX ;CAIXMembrane antigen MNP54/58NRenal cell carcinoma-associated antigen G250 ;R;CC-associated antigen G250pMW1
Expression Region	64-399aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-GST-tagged
Mol. Weight	66.8 kDa
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-EP614990HUc0 could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) CA9.



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Reconstitution

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.

Shelf Life

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.