Recombinant Human Carbonic anhydrase-related protein (CA8)

Product Code	CSB-EP004379HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P35219
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MADLSFIEDT VAFPEKEEDE EEEEEGVEWG YEEGVEWGLV FPDANGEYQS PINLNSREAR YDPSLLDVRL SPNYVVCRDC EVTNDGHTIQ VILKSKSVLS GGPLPQGHEF ELYEVRFHWG RENQRGSEHT VNFKAFPMEL HLIHWNSTLF GSIDEAVGKP HGIAIIALFV QIGKEHVGLK AVTEILQDIQ YKGKSKTIPC FNPNTLLPDP LLRDYWVYEG SLTIPPCSEG VTWILFRYPL TISQLQIEEF RRLRTHVKGA ELVEGCDGIL GDNFRPTQPL SDRVIRAAFQ
Source	E.coli
Target Names	CA8
Protein Names	Recommended name: Carbonic anhydrase-related protein Short name= CARP Alternative name(s): Carbonic anhydrase VIII Short name= CA-VIII
Expression Region	1-290
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This protein was initially named CA-related protein because of sequence similarity to other known carbonic anhydrase genes. However, the gene product lacks carbonic anhydrase activity (i.e., the reversible hydration of carbon dioxide). The gene product continues to carry a carbonic anhydrase designation based on clear sequence identity to other members of the carbonic anhydrase gene family. The absence of CA8 gene transcription in the cerebellum of the lurcher mutant in mice with a neurologic defect suggests an important role for this acatalytic form.
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.