

Recombinant Human Carbonic anhydrase 1(CA1)

Catalog No: #AP70100

Package Size: #AP70100-1 20ug #AP70100-2 100ug #AP70100-3 1mg

Description

Product Name	Recombinant Human Carbonic anhydrase 1(CA1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-261aaSequence Info:Full Length
Other Names	Carbonate dehydratase I;Carbonic anhydrase B ;CAB;Carbonic anhydrase I ;CA-I
Accession No.	P00915
Calculated MW	44.7 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	ASPDWGYDDKNGPEQWSKLYPIANGNNQSPVDIKTSETKHDTSLKPISVSYNPATAKEIINVGHSHFVNFEDN DNRSVLKGGPFSDSYRLFQFHFHWGSTNEHGSEHTVDGVKYSAELHVAHWNSAKYSSLAEAASKADGLAVI GVLMKVGEANPKLQKVLDALQAIKTKGKRAPFTNFDPSLLPSSLDFTWYPGSLTHPPLYESVTWIICKESISVS SEQLAQFRSLLSNVEGDNAVPMQHNNRPTQPLKGRTVRASF
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Reversible hydration of carbon dioxide. Can hydrates cyanamide to urea.

References

An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014) Research Topic:Cardiovascular

Note: This product is for in vitro research use only and is not intended for use in humans or animals.