

Recombinant Human Carbonic anhydrase 12(CA12),partial

Catalog No: #AP70103

Package Size: #AP70103-1 20ug #AP70103-2 100ug #AP70103-3 1mg

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Description

Product Name	Recombinant Human Carbonic anhydrase 12(CA12),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:25-301aaSequence Info:Extracellular Domain
Other Names	Carbonate dehydratase XII;Carbonic anhydrase XII ;CA-XIITumor antigen HOM-R;CC-3.1.3
Accession No.	O43570
Calculated MW	47.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	APVNGSKWTYFGPDGENSWSKYPSCGGLLQSPIDLHSDILQYDASLTPLFQGYNLSANKQFLLTNNGHSV KLNLPSDMHIQGLQSRYSATQLHLHWGNPNDPHGSEHTVSGQHFAAELHIVHYNSDLYPDASTASNKSEGLA VLAVLIEMGSFNPSYDKIFSHLQHVKYKGQEA FVPGFNIEELLPERTAEYYRYRGSLLTPPCNPTVLWTVFRNP VQISQEQLLALETALYCTHMDDPSPREMINNFRQVQKFDERLVYTSFSQVQVCTAAGLS
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.

References

Human carbonic anhydrase XII cDNA cloning, expression, and chromosomal localization of a carbonic anhydrase gene that is overexpressed in some renal cell cancers.Tuereci O., Sahin U., Vollmar E., Siemer S., Goettert E., Seitz G., Parkkila A.-K., Shah G.N., Grubb J.H., Pfreundschuh M., Sly W.S.Proc. Natl. Acad. Sci. U.S.A. 95:7608-7613(1998)Research Topic:Cancer

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