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Datasheet for ABIN4371596

CA12 Protein (AA 25-301) (His tag)

Overview

Quantity:	50 µg
Target:	CA12
Protein Characteristics:	AA 25-301
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CA12 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Carbonic Anhydrase 12/CA12 (C-6His)
Sequence:	APLNGSKWTY VGPAGEKNWS KKYPSCGGLL QSPIDLHSDI LQYDASLAPL QFQGYNVSV KLLNLTNDGH SVRLNLNSDM YIQGLQPHHY RAEQLHLHWG NRNDPHGSEH TVSGKHFAAE LHIVHYNSDL YPDFSTASDK SEGLAVLAVL IEIGSANPSY DKIFSHLQHV KYKGQQVLIP GFNIEELLPE SPGEYYRYEG SLTTPPCYPT VLWTVFRNPV QISQEQLLAL ETALYFTHMD DPTPREMINN FRQVQKFDER LVYISFRQGL LTDTGLSVDH HHHHH
Characteristics:	Recombinant Mouse Carbonic Anhydrase XII is produced with a mammalian expression system in human cells. The target protein is expressed with sequence (Ala25-Ser301) of Mouse Carbonic Anhydrase XII fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CA12
Alternative Name:	Carbonic Anhydrase XII (CA12 Products)
Molecular Weight:	32.4 kDa
UniProt:	Q8CI85

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>