Datasheet for ABIN7320151

CA10 Protein (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	CA10
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CA10 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Carbonic Anhydrase X/CA10 Protein (His Tag)(Active)
Sequence:	Met 1-Asn 300
Characteristics:	A DNA sequence encoding the mouse Car10 (P61215) (Met 1-Asn 300) was expressed, fused with a C-terminal polyhistidine tag.
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its esterase activity.The specific activity is >10 pmoles/min/µg.

Target Details

Target:	CA10
Alternative Name:	Carbonic Anhydrase X/CA10 (CA10 Products)

Target Details

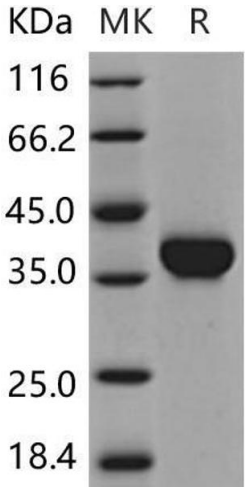
Background:	Background: Carbonic anhydrase X, also called carbonic anhydrase - related protein X (CARPX) and CA10, belongs to the CA family of zinc metalloenzymes which catalyze the reversible hydration of carbon dioxide in various biological processes such as respiration, renal tubular acidification and bone resorption. The secreted protein CARPX without CA activity (hydration of CO2) is identified as an acatalytic member of the alpha-carbonic anhydrase subgroup. CARP X expression is detected in the adult total brain and almost all parts of the central nervous system, but not in the fetal brain. Accordingly, CARP X is suggested to play a role in the development of central nervous system, especially the brain. The same CARP X protein are encoded by multiple transcript variants of this gene. Synonym: 2700029L05Rik,BB085816,Ca10,Car10,RP23-448I9.1
Molecular Weight:	33.1 kDa
UniProt:	P61215

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 25 mM Tris, 150 mM NaCl, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.