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Datasheet for ABIN7504251
CA2 Protein (AA 2-260) (His tag)

Overview

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|-------------------------------|--|
| Quantity: | 100 µg |
| Target: | CA2 |
| Protein Characteristics: | AA 2-260 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CA2 protein is labelled with His tag. |

Product Details

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|------------------|--|
| Purpose: | Mouse Carbonic anhydrase II Protein |
| Sequence: | Ser2-Lys260 |
| Characteristics: | Recombinant Mouse Carbonic anhydrase II Protein is expressed from HEK293 with His tag at the C-terminus.It contains Ser2-Lys260. |
| Purity: | > 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | Less than 1EU per µg by the LAL method. |

Target Details

| | |
|-------------------|--|
| Target: | CA2 |
| Alternative Name: | Carbonic anhydrase II (CA2 Products) |

Target Details

Background: Carbonic anhydrase II (CA II) is a zinc metalloenzyme that catalyzes the reversible interconversion of water and CO₂ to bicarbonate and a proton. CA II is abundant in most cells, and plays a role in numerous processes including gas exchange, epithelial ion transport, respiration, extra- and intracellular pH control, and vascular regulation.

Molecular Weight: 29.99 kDa. Due to glycosylation, the protein migrates to 30-35 kDa based on Tris-Bis PAGE result.

UniProt: [P00920](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Supplied as 0.22 µm filtered solution in PBS (pH 7.4).

Storage: -80 °C

Storage Comment: Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months