

Product: Carbonic Anhydrase III, human, recombinant
Catalog #: 12-4339
Amount: 10 µg

DESCRIPTION: Recombinant Carbonic Human Anhydrase III (rHuCAIII)
Recombinant Human CAIII, Carbonic anhydrase III having a Mw of 33.9kDa is one of a group of ten zinc metalloenzymes that catalyse the reversible hydration of CO₂ to form HCO₃⁻. CAIII is a cytoplasmic isoenzyme, but is released into the circulation following injury.
rHuCAIII is expressed with an amino-terminal hexahistidine tag.

SOURCE: *Escherichia coli*

PURITY: > 95%, as determined by: reducing and non-reducing SDS-PAGE stained Coomassie blue gel and RP-HPLC

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
- UV spectroscopy at 280 nm.
- Analysis by RP-HPLC, using a standard solution of CAIII as a Reference Standard.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHuCAIII

FORM: Purified, in 1X Laemli Buffer: 25mM Tris-HCl pH6.8, 50mM DTT, 1% SDS, 0.1% Bromophenol blue and 2.5% Glycerol, containing 0.1% BSA

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

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