Bioactive Full-Length

CA8 (Human) Recombinant Protein

Catalog # P6804 Size 20 ug

Applications



15% SDS-PAGE Stained with Coomassie Blue.

Specification

Product Description	Human CA8 (NP_004047, 1 a.a. - 290 a.a.) full length recombinant protein with His tag expressed in *Escherichia coli*.
Host	Escherichia coli
Theoretical MW (kDa)	35.5
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 90% by SDS-PAGE
Activity	Specific activity is > 450 pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1.0 pm ole of 4-nitrophenyl acetate to 4-nitrophenol per minute at pH 7.5 at 37°C.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue 15% SDS-PAGE Stained with Coomassie Blue.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl, 1 mM DTT, pH 8.0 (20% glycerol)

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Storage Instruction	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — CA8

Entrez GeneID	767
Protein Accession#	P35219
Gene Name	CA8
Gene Alias	CA-VIII, CALS, CARP, MGC120502, MGC99509
Gene Description	carbonic anhydrase VIII
Omim ID	114815
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene was initially named CA-related protein because of sequence similarity to other known carbonic anhydrase genes. However, the gene product lacks carbonic anhydrase activity (i.e., the reversible hydration of carbon dioxide). The gene product continues to carry a carbonic anhydrase designation based on clear sequence identity to other members of the carbonic anhydrase gene family. The absence of CA8 gene transcription in the cerebellum of the lurcher mutant in mice with a neurologic defect suggests an important role for this acatalytic form. [provided by RefSeq
Other Designations	CA-related protein|carbonate dehydratase|carbonic anhydrase-like sequence|carbonic anhydrase-related protein

Pathway

- Nitrogen metabolism

Disease

- Genetic Predisposition to Disease

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- Osteoporosis

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