Active Recombinant Human CA12 Protein, His-tagged

Cat. No. CA12-971H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CA12 (Accession # O43570) Ala25-Gln291, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Ala25-Gln291
Predicted N Terminal	Ala25
Form	Supplied as a 0.2 μm filtered solution in Tris and NaCl.
Bio-activity	Measured by its esterase activity. The specific activity is >10 pmol/min/μg, as measured under the described conditions.
Molecular Mass	Recombinant Human CA12, His-tagged has a calculated MW of 32 kDa. In SDS-PAGE migrates as 38-41 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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Reconstitution	Reconstitute at 100 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name	CA12 carbonic anhydrase XII [Homo sapiens]
Official Symbol	CA12
Synonyms	CA12; carbonic anhydrase XII; carbonic anhydrase 12; HsT18816; CA-XII; carbonic dehydratase; carbonate dehydratase XII; tumor antigen HOM-RCC-3.1.3; CAXII; FLJ20151;
Gene ID	771
mRNA Refseq	NM_001218
Protein Refseq	NP_001209
MIM	603263
UniProt ID	O43570
Chromosome Location	15q22

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