

## Active Recombinant Human CA12 Protein, His-tagged

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

### SPECIFICATION

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

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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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