

## Recombinant Human CA2 Protein, GST-Tagged

CA2-0238H Human

Lot. No. (See product label)

### Specification

<b>Product Overview</b>	Human CA2 full-length ORF (NP_000058.1, 1 a.a. - 260 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Description</b>	The protein encoded by this gene is one of several isozymes of carbonic anhydrase, which catalyzes reversible hydration of carbon dioxide. Defects in this enzyme are associated with osteopetrosis and renal tubular acidosis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2014]
<b>Source</b>	Wheat Germ
<b>Species</b>	Human
<b>Tag</b>	GST
<b>Molecular Mass</b>	55.6 kDa
<b>AA Sequence</b>	MSHHWGYGKHNGPEHWHKDFPIAKGERQSPVDIDHTAKYDPSLKPLSVSYDQATSLRILNNGH AFNVEFDDSQDKAVLKGGLDGTYRLIQFHFHWGSLDGGQGSEHTVDKCKYAAELHLVHWNTKY GDFGKAVQQPDGLAVLGIFLKVGSAPGLQKVVDVLDSEIKTKGKSADFTNFDPRGLLPESLDYWT YPGSLTTPPLLECVTWIVLKEPISVSSEQLKFRKLNFNGEPEELMVDNWRPAQPLKNRQIKA SFK
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

### Gene Information

<b>Gene Name</b>	<a href="#">CA2 carbonic anhydrase II [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">CA2</a>
<b>Synonyms</b>	CA2; carbonic anhydrase II; carbonic anhydrase 2; CA II; CAII; Car2; CAC; carbonic anhydrase B; carbonic anhydrase C; carbonic dehydratase; carbonate dehydratase II; CA-II;
<b>Gene ID</b>	<a href="#">760</a>
<b>mRNA Refseq</b>	<a href="#">NM_000067</a>

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**Protein Refseq** [NP\\_000058](#)

**MIM** [611492](#)

**UniProt ID** [P00918](#)

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