

# Recombinant Human CA9 Protein, Fc-tagged, Alexa Fluor 488 conjugated

Cat. No. CA9-890HAF488 Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 488 conjugated recombinant human CA9 precursor (NP_001207.2) (Met 1-Asp 414), fused with the Fc region of human IgG1 at the C-terminus, was produced in Human Cell.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	615
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	The recombinant human CA9/Fc is a disulfide-linked homodimer. The reduced monomer consists of 615 amino acids and predicts a molecular mass of 67.7 kDa. As a result of glycosylation, the apparent molecular mass of rh CA9/Fc monomer is approximately 80-90 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm

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<b>Stability</b>	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from sterile 100 mM Glycine, 10 mM NaCl, 50 mM Tris, pH 7.5
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Alexa Fluor 488

## GENE INFORMATION

<b>Gene Name</b>	CA9 carbonic anhydrase IX [ Homo sapiens ]
<b>Official Symbol</b>	CA9
<b>Gene ID</b>	768
<b>mRNA Refseq</b>	NM_001216
<b>Protein Refseq</b>	NP_001207
<b>MIM</b>	603179
<b>UniProt ID</b>	Q16790

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