Recombinant Mouse Car12 Protein, Myc/DDK-tagged

Cat. No. Car12-1958M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length carbonic anhydrase 12 (Car12), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a membrane-bound member of the alpha carbonic anhydrase family of enzymes that catalyze the reversible hydration of carbon dioxide to bicarbonate. These proteins participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. Alternative splicing results in multiple transcript variants.
Molecular Mass	39.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Car12 carbonic anhydrase 12 [Mus musculus (house mouse)]
Official Symbol	Car12
Synonyms	CAR12; carbonic anyhydrase 12; carbonic anhydrase 12; CA XII; CA-XII; carbonic anhydrase XII; carbonate dehydratase XII; Ca12; AI314958; 2310047E01Rik
Gene ID	76459
mRNA Refseq	NM_178396
Protein Refseq	NP_848483
UniProt ID	Q8CI85

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