

Recombinant Mouse Car9 protein(Met1-Asp390), His-tagged

Cat. No. Car9-914M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CAR9 (NP_647466.2) (Met 1-Asp 390) was expressed in HEK293, with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-390 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its esterase activity. The specific activity is >100 pmoles/min/μg.
Molecular Mass	The secreted recombinant mouse CAR9 comprises 370 amino acids and has a calculated molecular mass of 40.3 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 45-50 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Car9 carbonic anhydrase 9 [Mus musculus]
Official Symbol	Car9
Synonyms	CAR9; carbonic anhydrase 9; CA-IX; carbonic anhydrase IX; carbonate dehydratase IX; membrane antigen MN homolog; Ca9; CAIX; MN/CA9;
Gene ID	230099
mRNA Refseq	NM_139305
Protein Refseq	NP_647466

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