

Recombinant Rat CA1 Protein (2-261 aa), His-SUMO-tagged

Cat. No. CA1-375R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat CA1 Protein (2-261 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Rat
Source	E.coli
ProteinLength	2-261 aa
Description	Reversible hydration of carbon dioxide.Curated
Form	Tris-based buffer, 50% glycerol
Molecular Mass	44.2 kDa
AA Sequence	ASADWGYDSKNGPDQWSKLYPIANGNNQSPIDIKTSEAKHDSSLKPVSVSYNPATA KEIVNVGHSHFHVVFDDSSNQSVLKGGLADSYRLTQFHFHWGNSNDHGSEHTVDG AKYSGELHLVHWNSAKYSSAAEAISKADGLAIGVLMKVGPANPNLQKVLDALSSVK TKGKRAPFTNFDPSLLPSSLDYWTYFGSLTHPPLHESVTWVICKESISLSPEQLAQL RGLLSSAEGEPAVPVLSNHRPPQPLKGRTVRASF
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4

 Tel: 1-631-559-9269 1-516-512-3133

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centigrade for up to one week.

Storage

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration

A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name

Car1 carbonic anhydrase 1 [Rattus norvegicus (Norway rat)]

Official Symbol

CA1

Synonyms

Ca1; CA-I;

Gene ID

310218

mRNA Refseq

NM_001107660

Protein Refseq

NP_001101130

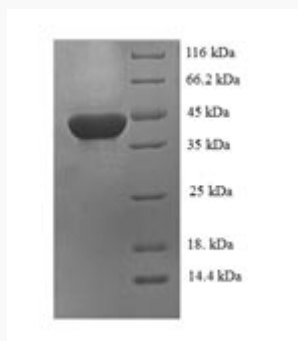
UniProt ID

B0BNN3

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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