

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

Cat. No. CA1-1347R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat CA1 Protein (2-261 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Rat
Source	Yeast
ProteinLength	2-261 aa
Description	Reversible hydration of carbon dioxide.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	30.2 kDa
AA Sequence	ASADWGYDSKNGPDQWSKLYPIANGNNQSPIDIKTSEAKHDSSLKPVSVSYNPATA KEIVNVGHSFHVVFDDSSNQSVLKGGLADSYRLTQFHFHWGNSNDHGSEHTVDG AKYSGELHLVHWNSAKYSSAAEAISKADGLAIGVLMKVGPANPNLQKVLDAALSSVK TKGKRAPFTNFDPSLLPSSLDYWTYFGSLTHPPLHESVTWVICKESISLSPEQLAQL RGLLSSAEGEPAVPVLSNHRPPQPLKGRTVRASF
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4

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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 reconstitution instruction is sent along with the products. Please refer to it for detailed information.

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

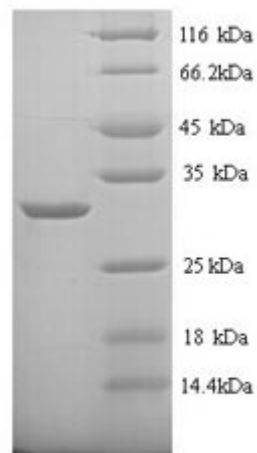
Protein Refseq NP_001101130

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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