

Recombinant Human Chromosome 9 Open Reading Frame 103, His-tagged

Cat. No. C9orf103-1378H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human C9orf103 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by conventional chromatography.
Species	Human
Source	E.coli
Description	C9orf103, also known as probable gluconokinase, belongs to the gluconokinase gntK/gntV family. This protein is involved in carbohydrate acid metabolism and D-gluconate degradation. Recombinant human C9orf103 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1 M NaCl, 1mM DTT.
Molecular Weight	23.1 kDa (211aa), confirmed by MALDI-TOF.
Purity	> 95% by SDS-PAGE
Concentration	0.5mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHSSGLVPRGSH MGSMAAPGA LLVMGVSGSG KSTVGALLAS ELGWKFYDAD DYHPEENRRKMGKGIPLNDQ DRIPWLCNLH DILLRDVASG QRVVLACSAL KKTYRDILTQ GKDGVALKCE ESGKEAKQAEMQLLVVHLSG SFEVISGRLL KREGHFMPPE LLQSQFETLE PPAAPENFIQ ISVDKNVSEI

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IATIMETLKMK

Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name

C9orf103 chromosome 9 openreading frame 103 [Homo sapiens]

Official Symbol

C9orf103

Synonyms

C9orf103;chromosome 9 open reading frame 103; bA522I20.2;
probablegluconokinase; gluconate kinase; OTTHUMP00000021547;
OTTHUMP00000021548;glucokinase-like protein; gluconokinase-like protein

Gene ID

414328

mRNA Refseq

NM_001001551

Protein Refseq

NP_001001551

MIM

611343

UniProt ID

Q5T6J7

**Chromosome
Location**

9q21.32

Function

ATPbinding; gluconokinase activity; molecular function; nucleotide binding;shikimate
kinase activity; transferase activity

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