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

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

SPECIFICATION

Product Overview	Recombinant human C9orf103protein, fused to His-tag at N-terminus, wasexpressed in E.coli and purified by conventional chromatography.
Species	Human
Source	E.coli
Description	C9orf103, also knownas probable gluconokinase, belongs to the gluconokinase gntK/gntV family.This protein is involved in carbohydrate acid metabolism and D-gluconatedegradation. Recombinant human C9orf103 protein, fused to His-tag atN-terminus, was expressed in E.coli and purified by using conventionalchromatography.
Form	Liquid. 20mMTris-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 (determinedby Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGSHMAAPGA 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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