ferredoxin-NAD+ oxidoreductase (Na+-transporting)

Cat. No. EXWM-1113

Lot. No. (See product label)

Introduction

Description	This iron-sulfur and flavin-containing electron transport complex, isolated from the bacterium Acetobacterium woodii, couples the energy from reduction of NAD+ by ferredoxin to pumping sodium ions out of the cell, generating a gradient across the cytoplasmic membrane.
Synonyms	Rnf complex (ambiguous); Na+-translocating ferredoxin:NAD+ oxidoreductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 7.2.1.2 (Formerly EC 1.18.1.8)
Reaction	2 reduced ferredoxin [iron-sulfur] cluster + NAD+ + H+ + Na+[side 1] = 2 oxidized ferredoxin [iron-sulfur] cluster + NADH + Na+[side 2]
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.