Creative Enzymes®

thiosulfate-dithiol sulfurtransferase

Cat. No. EXWM-3363

Lot. No. (See product label)

Introduction

Description	The enzyme from Chlorella shows very little activity towards monothiols such as glutathione and cysteine (cf. EC 2.8.1.3 thiosulfate-thiolsulfurtransferase). The enzyme probably transfers the sulfur atom onto one thiol group to form -S-S-, and sulfide is spontaneously expelled from this by reaction with the other thiol group. May be identical with EC 2.8.1.1 thiosulfate sulfurtransferase.
Synonyms	thiosulfate reductase; TSR

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.8.1.5
CAS No.	9059-49-8
Reaction	thiosulfate + dithioerythritol = sulfite + 4,5-cis-dihydroxy-1,2-dithiacyclohexane (i.e. oxidized dithioerythritol) + sulfide
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 ℃.