

MCTS1 抗原（重组蛋白）

中文名称：MCTS1 抗原（重组蛋白）

英文名称： MCTS1 Antigen (Recombinant Protein)

别名： MCT1; MCT-1

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Full length fusion protein

技术规格

Full name:	malignant T cell amplified sequence 1
Synonyms:	MCT1; MCT-1
Swissprot:	Q9ULC4
Gene Accession:	BC001013
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	MCTS1 (malignant T cell amplified sequence 1), also known as MCT1, is a 181 amino acid protein that is ubiquitously expressed and localizes to the cytoplasm of cells. MCTS1 may play a role in cell cycle regulation by decreasing cell doubling time and by shortening the duration of G1 transit time and G1/S transition. The protein level of Cdk4 and Cdk6 kinases activity and cyclin D1 is enhanced by expression of MCTS1. As a translation enhancer, MCTS1 recruits DENR and binds to the

cap complex of the 5'-terminus of mRNAs, subsequently altering the mRNA translation profile. MCTS1 promotes lymphoid tumor development and contributes to the pathogenesis and progression of breast cancer. MCTS1 positively regulates phosphorylation of ERK1 and ERK2.