

# Recombinant Human MCTS1

Catalog No: #GP11741



Package Size: #GP11741-1 100ug

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## Description

Product Name	Recombinant Human MCTS1
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	malignant T cell amplified sequence 1
Other Names	MCT1; MCT-1
Accession No.	Swissprot:Q9ULC4Gene Accession:BC001013
Uniprot	Q9ULC4
GeneID	28985;
Storage	-20~-80°C, pH 7.6 PBS

## 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.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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