

UMPS 抗原（重组蛋白）

中文名称： UMPS 抗原（重组蛋白）

英文名称： UMPS Antigen (Recombinant Protein)

别名： uridine monophosphate synthetase; OPRT

相关类别： 抗原

储存： 冷冻（-20℃）

概述

Fusion protein corresponding to a region derived from 281-480 amino acids of human UMPS

技术规格

Full name:	uridine monophosphate synthetase
Synonyms:	OPRT
Swissprot:	P11172
Gene Accession:	BC000364
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes a uridine 5'-monophosphate synthase. The encoded protein is a bifunctional enzyme that catalyzes the final two steps of the de novo pyrimidine biosynthetic pathway. The first reaction is carried out by the N-terminal enzyme orotate phosphoribosyltransferase which converts orotic acid to orotidine-5'-monophosphate. The terminal reaction is carried out by the C-terminal enzyme OMP decarboxylase which converts orotidine-5'-monophosphate to uridine monophosphate. Defects in this gene are the cause of hereditary orotic aciduria. Alternate splicing results in multiple transc

ript variants.