

Recombinant Human UMPS

Catalog No: #GP12588



Package Size: #GP12588-1 100ug

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Description

Product Name	Recombinant Human UMPS
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 281-480 amino acids of human UMPS
Target Name	uridine monophosphate synthetase
Other Names	OPRT
Accession No.	Swissprot:P11172Gene Accession:BC000364
Uniprot	P11172
GeneID	7372;
Storage	-20~-80°C, pH 7.6 PBS

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 transcript variants.?

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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