

Recombinant Human IMPDH2

Catalog No: #GP11670



Package Size: #GP11670-1 100ug

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Description

Product Name	Recombinant Human IMPDH2
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 114-237 amino acids of human IMP (inosine 5'-monophosphate) dehydrogenase 2
Target Name	IMP (inosine 5'-monophosphate) dehydrogenase 2
Other Names	IMPD2; IMPDH-II
Accession No.	Swissprot:P12268Gene Accession:BC006124
Uniprot	P12268
GenID	3615;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes the rate-limiting enzyme in the de novo guanine nucleotide biosynthesis. It is thus involved in maintaining cellular guanine deoxy- and ribonucleotide pools needed for DNA and RNA synthesis. The encoded protein catalyzes the NAD-dependent oxidation of inosine-5'-monophosphate into xanthine-5'-monophosphate, which is then converted into guanosine-5'-monophosphate. This gene is up-regulated in some neoplasms, suggesting it may play a role in malignant transformation.

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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