



Recombinant Human GMP Reductase 1 Protein

Cat.NO.: TP05307

3th Edition

Synonyms:GMP Reductase 1; Guanosine 5'-Monophosphate Oxidoreductase 1; Guanosine Monophosphate Reductase 1; GMPR; GMPR1

Description:GMP Reductase 1 (GMPR) is a member of the IMPDH/GMPR family. GMPR exists as a homotetramer and catalyzes the irreversible NADPH-dependent deamination of GMP to IMP. It functions in the conversion of nucleobase, nucleoside and nucleotide derivatives of G to A nucleotides, and in maintaining the intracellular balance of A and G nucleotides. GMP reductase gene expression may be regulated by MITF. At least two different alleles are known.

Form:PBS

Molecular Weight:38.5 kDa

Sequences:Met 1-Ser345

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.