

Product datasheet for **TP726926**

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human GMP Reductase 1/GMPR (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Ser345
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 40% Glycerol, 0.15M NaCl and 1mM DTT, pH 8.0.
Note:	Recombinant Human GMP Reductase 1 is produced by our Mammalian expression system and the target gene encoding Met1-Ser345 is expressed with a 6His tag at the C-terminus.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Synonyms:	GMP Reductase 1; Guanosine 5'-Monophosphate Oxidoreductase 1; Guanosine Monophosphate Reductase 1; GMPR; GMPR1
Summary:	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.



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