

## 32-7681: Recombinant Human GMP Reductase 1/GMPR (C-6His)

**Gene :** GMPR  
**Gene ID :** 2766  
**Uniprot ID :** P36959

### Description

Source: Human Cells.  
MW :38.5kD.

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. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl,40% glycerol,0.15M NaCl and 1mM DTT, pH8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MPRIDADLKLDKDFKDVLLRPKRSSLKSRAEVDLERTFFFRNSKQTYSGIPIIVANMDTVGTFEMA AVMSQHSMTA  
IHKHYSLDDWKL FATNHPECLQNVAVSSGSGQNDLEKMTSILEAVPQVKFICLDVANGYSEHFVEFVKLVRAKF  
PEHTIMAGNVVTGEMVEELILSGADIIVKGVGPGSVCTTRTKTG VGY PQLSAVIECADSAHGLKGHIISDGGCTC  
PGDVAKAFGAGAD FV MLGGMFSGHTECAGEVFERNRKLKLFYGMSSDTAMNKHAGGVAEYRASEGKTVEV  
PYKGDVENTILDILGGLRSTCTYVGA AKL KELSRRATFIRVTQHN TVFSVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.