

# Recombinant Human GMPR Protein (Human Cells, His Tag)

Catalog Number: PKSH033290



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

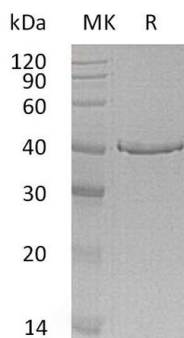
## Description

<b>Species</b>	Human
<b>Mol_Mass</b>	38.5 kDa
<b>Accession</b>	AAH08281.1
<b>Bio-activity</b>	Not validated for activity

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 40% Glycerol, 150mM NaCl, 1mM DTT, pH 8.0.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

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. GMPR gene expression may be regulated by MITF. At least two different alleles are known.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine  
Tel: 400-999-2100

Email: [techsupport@elabscience.cn](mailto:techsupport@elabscience.cn)

Web: [www.elabscience.cn](http://www.elabscience.cn)

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