

Recombinant human GMP reductase 2

Catalog No: #AP71559



Package Size: #AP71559-1 20ug #AP71559-2 100ug #AP71559-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant human GMP reductase 2
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-366aaSequence Info:Full Length of Isoform 2
Other Names	Guanosine 5'-monophosphate oxidoreductase 2 ;Guanosine monophosphate reductase 2
Accession No.	Q9P2T1
Uniprot	Q9P2T1
GeneID	51292;
Calculated MW	55.8 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MTSCLPALRFIATPRLSAMPHIDNDVKLDFKDVLLRPKRSTLKSREVDLTRSFNRSKQTYSGVPIIAANMDT VGTFFEMAKVLCKFSLFTAVHKHYSLVQWQEFAGQNPDCLEHLAASSGTGSSDFEQLEQILEAIPQVKYICLDV ANGYSEHFVEFVKDVRKRFPQHTIMAGNVVTGEMVEELILSGADIIVGIGPGSVCTTRKKTGVGYPQLSAVM ECADAAHGLKGHIISDGGCSCPGDVAKAFGAGADVFMGLAGHSESGGELIERDGKKYKLFYGMSSEMA MKKYAGGVAEYRASEGKTVEVPFKGDVEHTIRDILGGIRSTCTYVGAARKELSRRTTFIRVTQQVNPIFSEAC
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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. Plays a role in modulating cellular differentiation.

References

"Lysine acetylation targets protein complexes and co-regulates major cellular functions."
Choudhary C., Kumar C., Gnad F., Nielsen M.L., Rehman M., Walther T.C., Olsen J.V., Mann M.
Science 325:834-840(2009) Research Topic:Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only