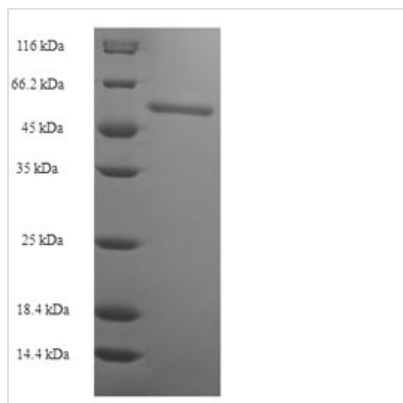




Recombinant Human GMP reductase 2 (GMPR2)

Product Code	CSB-EP873740HU
Relevance	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.
Abbreviation	Recombinant Human GMPR2 protein
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.
Uniprot No.	Q9P2T1
Alias	Guanosine 5'-monophosphate oxidoreductase 2 ;Guanosine monophosphate reductase 2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MTSCLPALRFIATPRLSAMPIDNDVKLDFKDVLLRPKRSTLKSRSSEVDLTRSF SFRNSKQTYSGVPIIAANMDTVGTFEMAKVLCFKSLFTAVHKHYSLVQWQEFA GQNPDCLEHLAASSGTGSSDFEQLEQILEAIPQVKYICLDVANGYSEHFVEFVK DVRKRFPQHTIMAGNVVTGEMVEELILSGADIKVGIGPGSVCTTRKKTGVGY QLSAVMECADAHGLKGHIISDGGCSCPGDVAKAFGAGADFMVLLGGMLAGH SESGGELIERDGKKYKLFYGMSSSEMAMKKYAGGVAEYRASEGKTVEVPFKGD VEHTIRDILGGIRSTCTYVGAALKKELSRRTTFIRVTQQVNPFISEAC
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	GMPR2
Expression Region	1-366aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	55.8kDa
Protein Length	Full Length of Isoform 2
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.