

GMPR2 Human

Description: GMPR2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 368 amino acids (1-348 a.a.) and having a molecular mass of 40 kDa. GMPR2 is fused to a 20 amino acid His-tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: ENPS-564

For research use only.

Synonyms: GMP reductase 2, Guanosine 5"-monophosphate oxidoreductase 2.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MPHIDNDVKL DFKDVLLRPK
RSTLKSRSSEV DLTRSFSFRN SKQTYSGVPI IAA NMDTVGT FEMAKVLCKFSLFTAVHKHY
SLVQWQEFAG QNPDCLEHLA ASSGTGSSDF EQLEQILEAI PQVKYICLDV ANGYSEHFVE
FVKDVRKRFP QHTIMAGNVV TGEMVEELIL SGADIIVGI GPGSVCTTRK KTGVGYPQLS
AVMECADA AH GLK

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

GMPR2 1mg/ml solution contains 20mM Tris pH-8, 1mM DTT and 10% glycerol.

Stability:

GMPR2 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

GMPR2 is the single known metabolic step by which guanine nucleotides can be transformed to the pivotal precursor of both adenine and guanine nucleotides. GMPR2 catalyzes the permanent NADPH-dependent reductive deamination of GMP to IMP, and is involved in re-utilization of free intracellular bases and purine nucleosides.

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