

**Recombinant Human Inosine-5'-Monophosphate Dehydrogenase 2/IMPDH2 Protein(N-6His)**

**Cat.NO.: TP05324**

3th Edition

**Synonyms:**Inosine-5'-monophosphate dehydrogenase 2; IMPDH2; IMP dehydrogenase 2; IMPD 2; IMPDH 2; IMPDH-II; IMPD2.

**Description:**IMPDH2 is a cytosolic enzyme which belongs to the IMPDH/GMPR family. IMPDH2 catalyzes the NAD-dependent oxidation of inosine-5'-monophosphate into xanthine-5'-monophosphate, which is then converted into guanosine-5'- monophosphate. IMPDH2 is consequently involved in maintaining cellular guanine deoxy- and ribonucleotide pools required for DNA and RNA synthesis. In addition, IMPDH1 and IMPDH2 are targets for the important immunosuppressive drug, mycophenolic acid (MPA).

**Form:**PBS

**Molecular Weight:**57.9 kDa

**Sequences:**Met 1-Phe514

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.