

Cat # RP-429 Recombinant Uridine phosphorylase Salmonella typhimurium **Size:** 10 ug 50 ug

Synonyms:

Uridine phosphorylase, EC 2.4.2.3, UrdPase, UPase, StUP.

Introduction:

Uridine phosphorylase from Salmonella typhimurium (StUP) catalyzes the reversible phosphorolysis of uridine with the formation of ribose-1-phosphate and uracil.

Description:

Uridine phosphorylase Salmonella typhimurium Recombinant produced in E.Coli is a non-glycosylated, polypeptide having a total molecular mass of 163068 Dalton.

Source:

Escherichia Coli.

Physical Appearance:

Sterile Filtered white lyophilized powder.

Formulation:

The UPase was lyophilized from 1mg/ml solution containing 25mM Tris-HCl, pH 8.0, 0.15M NaCl.

Solubility:

It is recommended to reconstitute the lyophilized UPase in sterile 18MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized UPase although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution UPase should be stored at 4°C between 2-7 days and for future use below -18°C.

For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Activity Determination:

One unit phosphorylates 1µM of uridine within 1 min at pH 7.3.

Enzyme Activity:

30 U/mg protein.

Usage:

This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Storage:

If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage..

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Alpha Diagnostic Intl Inc., 6203 Woodlake Center Dr, San Antonio, TX 78244, USA;

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400 Fax: +91-11-42208444 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com