

Active Recombinant Salmonella typhimurium udp

Cat. No. CEZ91P Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Salmonella typhimurium udp, a non-glycosylated polypeptide was expressed in E. coli.
Species	Salmonella typhimurium
Source	E.coli
Description	Uridine phosphorylase from Salmonella typhimurium (StUP) catalyzes the reversible phosphorolysis of uridine with the formation of ribose-1-phosphate and uracil.
Form	The UPase was lyophilized from 1mg/ml solution containing 25mM Tris-HCl, pH 8.0, 0.15M NaCl.
Bio-activity	30 U/mg protein
Molecular Mass	163068 Dalton
Purity	Greater than 95.0% as determined by SDS-PAGE.
Unit Definition	One unit phosphorylates 1µm of uridine within 1 min at pH 7.3.
Stability	Lyophilized UPase although stable at room temperature for 3 weeks, should be stored desiccated below -18 centigrade. Upon reconstitution UPase should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name	udp uridine phosphorylase [<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhimurium str. LT2]
Official Symbol	udp
Synonyms	Uridine phosphorylase; EC 2.4.2.3; UrdPase; Upase; StUP; uridine phosphorylase
Gene ID	1255494
Protein Refseq	NP_462853
UniProt ID	P0A1F6
Pathway	Metabolic pathways, organism-specific biosystem; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine metabolism, conserved biosystem

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