

Product datasheet for **AR09599PU-N**

Uridine phosphorylase / UDP (1-253, His-tag) Escherichia coli Protein

Product data:

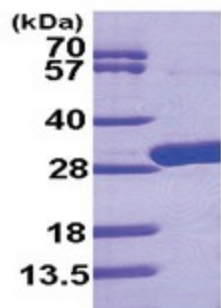
Product Type:	Recombinant Proteins
Description:	Uridine phosphorylase / UDP (1-253, His-tag) e. coli recombinant protein, 0.1 mg
Species:	Escherichia coli
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MSKSDVFHLG LTKNDLQGAT LAIVPGDPDR VEKIAALMDK PVKLASHREF TTWRAELD GK PVIVCSTGIG GPSTSI AVEE LAQLGIRTF L RIGTTGAIQP HINVG DVLVT TASVRLDGAS LHFAPLEFPA VADFECTTAL VEA AKSIGAT THVGV TASSD TFYPGQERYD TYSGRVVRHF KGSMEEWQAM GVMNYEMESA TLLTMCASQG L RAGM VAGVI VNRTQQEIPN AETMKQTESH AVKIVVEAAR RLL
Tag:	His-tag
Predicted MW:	29.3 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 50 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant E.coli UDP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Summary:

Uridine phosphorylase(UDP) catalyzes the reversible phosphorylytic cleavage of uridine and deoxyuridine to uracil and ribose- or deoxyribose-1-phosphate. The produced molecules are then utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis. This enzyme belongs to the family of glycosyltransferases, specifically the pentosyltransferases. The systematic name of this enzyme class is uridine:phosphate alpha-D-ribosyltransferase. Other names in common use include pyrimidine phosphorylase, UrdPase, UPH, and UPase.

Product images:

15% SDS-PAGE (3ug)