

Product datasheet for **AR50298PU-N**

Ornithine carbamoyltransferase (33-354, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Ornithine carbamoyltransferase (33-354, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSHM</u> NKVQL KGRDLLTLKN FTGEEIKYML WLSADLKFRI KQKGEYLP LL QGKSLGMIFE KRSTRRLST ETGFALLGGH PCFLTQDIH LGVNESLTDI ARVLSSMADA VLARVYKQSD LDTLAKEASI PIINGLSLDLY HPIQILADYL TLQEHYSSLK GLTLSWGDDG NNILHSIMMS AAKFGMHLQA ATPKGYEPDA SVTKLAEQYA KENGTKLLLT NDPLEAAHGG NVLITDTWIS MGQEEEKKKR LQAFQGYQVT MKTAKVAASD WTLFLHCLPRK PEEVDDEVFY SPRSLVFPEA ENRKWTIMAV MVSLLTDYSP QLQKPKF
Tag:	His-tag
Predicted MW:	38.9 kDa
Concentration:	lot specific
Purity:	>95% pure by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM MES buffer (pH 6.0) containing 2 mM DTT, 10% glycerol, 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human OTC 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 one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_000522</u>
Locus ID:	5009
UniProt ID:	<u>P00480</u>
Cytogenetics:	Xp11.4
Synonyms:	OCTD; OTCD



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Summary: This nuclear gene encodes a mitochondrial matrix enzyme. Missense, nonsense, and frameshift mutations in this enzyme lead to ornithine transcarbamylase deficiency, which causes hyperammonemia. Since the gene for this enzyme maps close to that for Duchenne muscular dystrophy, it may play a role in that disease also. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Arginine and proline metabolism, Metabolic pathways

Product images:

