

Product datasheet for **AR50078PU-N**

Ornithine decarboxylase (1-461, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Ornithine decarboxylase (1-461, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMNCFGNE EFDCHFLDEG FTAKDILDQK INEVSSDDK DAFYVADLGD ILKKHLRWLK ALPRVTPFYA VKCNDKAIV KTLAATGTGF DCASKTEIQL VQSLGVPPER IYANPCKQV SQIKYAANNG VQMMTFDSEV ELMKVARAHP KAKLVLRIAT DDSKAVCRLS VKFGATLRTS RLLLERAKEL NIDVGVFSFH VSGGCTDPET FVQAISDARC VFDMGAEVGF SMYLLDIGGG FPGSEVVKLK FEEITGVINP ALDKYFPSDS GVRIIAEPGR YYVASAFTLA VNIIAKKIVL KEQTGSDDDED ESSEQTFMYV VNDGVYGSFN CILYDHAHVK PLLQKRPKPD EKYSSSIWG PTCDGLDRIV ERCDLPEMHV GDWMLFENMG AYTVAASTF NGFQRPTIYY VMSGPAWQLM QQFQNPDFPP EVEEQDASTL PVSCAWESGM KRHRAACASA SINV
Tag:	His-tag
Predicted MW:	53.5 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 1 mM DTT, 10% glycerol, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ODC1 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:	NP_001274117
Locus ID:	4953
UniProt ID:	B4DXF8



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Cytogenetics: 2p25.1

Synonyms: BABS; NEDBA; NEDBIA; ODC

Summary: This gene encodes the rate-limiting enzyme of the polyamine biosynthesis pathway which catalyzes ornithine to putrescine. The activity level for the enzyme varies in response to growth-promoting stimuli and exhibits a high turnover rate in comparison to other mammalian proteins. Originally localized to both chromosomes 2 and 7, the gene encoding this enzyme has been determined to be located on 2p25, with a pseudogene located on 7q31-qter. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Dec 2013]

Protein Families: Druggable Genome

Protein Pathways: Arginine and proline metabolism, Glutathione metabolism, Metabolic pathways

Product images:

