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Product datasheet for TP721016L

Ornithine Decarboxylase (ODC1) (NM_002539) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human ornithine decarboxylase 1 (ODC1)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Val461
Tag:	N-T7&C-His
Predicted MW:	53.5 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_002530
Locus ID:	4953
UniProt ID:	P11926
RefSeq Size:	2307
Cytogenetics:	2p25.1
RefSeq ORF:	1383
Synonyms:	BABS; NEDBA; NEDBIA; ODC

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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