

Recombinant Full Length Human PRODH Protein, His-tagged

Cat. No. PRODH-326H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRODH, transcript variant 1, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-600 a.a.
Description	This gene encodes a mitochondrial protein that catalyzes the first step in proline degradation. Mutations in this gene are associated with hyperprolinemia type 1 and susceptibility to schizophrenia 4 (SCZD4). This gene is located on chromosome 22q11.21, a region which has also been associated with the contiguous gene deletion syndromes, DiGeorge and CATCH22. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	67.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	PRODH proline dehydrogenase (oxidase) 1 [Homo sapiens]
Official Symbol	PRODH
Synonyms	PRODH; proline dehydrogenase (oxidase) 1; proline dehydrogenase (proline oxidase); proline dehydrogenase 1, mitochondrial; HSPOX2; PIG6; PRODH1; PRODH2; TP53I6; proline oxidase 2; p53-induced gene 6 protein; proline oxidase, mitochondrial; tumor protein p53 inducible protein 6; POX; FLJ33744; MGC148078; MGC148079;
Gene ID	5625
mRNA Refseq	NM_016335
Protein Refseq	NP_057419
MIM	606810
UniProt ID	O43272