

Full-Length

PRODH2 (Human) Recombinant Protein (P01)

Catalog # H00058510-P01

Size 50 ug

Specification

Product Description	Human PRODH2 full-length ORF (AA166629.1, 1 a.a. - 536 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSPRVVSNSSVLASQSVGITNVRTVFSNVFNNTTAFPILRGSNCHKITAPGLGKGQLVNLLPPENLPWCGGSQGPRLRRTCYYLCSQAGPPSRGWQSLSFDGGAFHLKGTGELTRALLVRLCAWPPLVTHGLLLQAWSRLLGSRLSGAFLRASVYGQFVAGETAEEVKGCVQQLRTLRLPPLAVPTEEPDAAKSGEAWYEGNLGAMLRCDLSRGLLEPPSLAEASLMQLKVLTALTSTRLCKELASWVRPGASLELSPERLAEAMD SGQNLQVSCNLA EQNQHLRASLSRLHRVAQYARAQHVRLLVDAEYTS LNPALSLLVAALAVRWNSPGEGGPWWNTYQACLKDTFERLGRDAEAAHRAGLAFGVKLVRGAYLDERAVAQLHGMEDPTQPDYEATSQSYSRCLELMLTHVARHGPMCHLMVASHNEESVRQATKRMWELGIPLDGTVCFGQLLGMCDHVS LALGQAGYVVKSPYGSLEEVIPIYLRRAQENRSVLQGARREQELLSQELWRRLPGCRRIPH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	59
Interspecies Antigen Sequence	Mouse (80); Rat (80)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PRODH2

Entrez GeneID [58510](#)

GeneBank Accession# [BC166629.1](#)

Protein Accession# [AA166629.1](#)

Gene Name PRODH2

Gene Alias HSPOX1

Gene Description proline dehydrogenase (oxidase) 2

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is similar to proline dehydrogenase (oxidase) 1, a mitochondria l enzyme which catalyzes the first step in proline catabolism. The function of this protein has not been determined. [provided by RefSeq]

Other Designations kidney and liver proline oxidase 1

Pathway

- [Arginine and proline metabolism](#)
- [Metabolic pathways](#)