



# Recombinant Human Probable proline dehydrogenase 2 (PRODH2)

<b>Product Code</b>	CSB-EP880073HU
<b>Abbreviation</b>	PRODH2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9UF12
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MSPRVVSNSS VLASQSVGIT NVRTVFSNVF NNTTAFPILR GSNCHKITAP GLGKGQLVNL LPPENLPWCG GSQGPRMLRT CYVLC SQAGP PSRGWQSLSF DGGAFHLKGT GELTRALLVL RLCAWPPLVT HGLLLQAWSR RLGSRLSGA FLRASVYGQF VAGETAEEVK GCVQQLRTLS LRPLLAVPTE EEDSAAKSG EAWYEGNLGA MLRCVDLSRG LLEPPSLAEA SLMQLKV TAL TSTRCKELA SWVRRPGASL ELSPERLAEA MDSGQNLQVS CLNAEQNQHL RASLSRLHRV AQYARAQHVR LLVDAEY TSL NPALSLLVAA LAVRWNSPGE GGPWVWNTYQ ACLKDTFERL GRDAEAAHRA GLAFGVKLVR GAYLDKERAV AQLHG MEDPT QPDYEATSQS YSRCLELMLT HVARHGPMCH LMVASHNEES VRQATKRMWE LGIPLDGTVC FGQLLGMCDH VSLALGQAGY VVKYKSIPIYGS LEEVIPYLIR RAQENRSVLQ GARREQELLS QELWRRLLPG CRRIPH
<b>Source</b>	E.coli
<b>Target Names</b>	PRODH2
<b>Protein Names</b>	Recommended name: Probable proline dehydrogenase 2 EC= 1.5.99.8 Alternative name(s): Kidney and liver proline oxidase 1 Short name= HsPOX1 Probable proline oxidase 2
<b>Expression Region</b>	1-536
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This protein is similar to proline dehydrogenase (oxidase) 1, a mitochondrial enzyme which catalyzes the first step in proline catabolism. The function of this protein has not been determined.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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