

Product datasheet

Recombinant Human PYCR2 protein ab162262

1 Image

Overview

Product name	Recombinant Human PYCR2 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	<p>MSVGFIGAGQLAYALARGFTAAGILSAHKIIASSPEMNL PTVSALRKMGV NLTRSNKETVKHSDVFLAVKPHIIPFILDEIGADVQARH IVSCAAGVT ISSVEKKLMAFQPAPKVIRCMTNTPVVVQEGATVYATG THALVEDGQILLE QLMSSVGFCTEVEEDLIDAVTGLSGSGPAYAFMALDA LADGGVKMGLPRR LAIQLGAQALLGAAKMLLDSEQHPCQLKDNVCSPGGA TIHALHFLESGGF RSLINAVEASCIRTRELQSMADQEKISPAALKKTLDR VKLESPTVSTL TPSSPGKLLTRSLALGGKKD</p>
Amino acids	1 to 320
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab162262** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

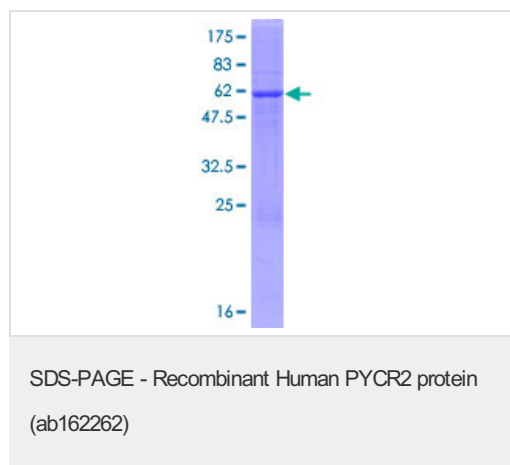
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	Housekeeping enzyme that catalyzes the last step in proline biosynthesis. In some cell types, such as erythrocytes, its primary function may be the generation of NADP(+). Can utilize both NAD and NADP. Has higher affinity for NADP, but higher catalytic efficiency with NADH.
Tissue specificity	Detected in erythrocytes (at protein level).
Pathway	Amino-acid biosynthesis; L-proline biosynthesis; L-proline from L-glutamate 5-semialdehyde: step 1/1.
Sequence similarities	Belongs to the pyrroline-5-carboxylate reductase family.
Cellular localization	Cytoplasm.

Images



ab162262 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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