

Product Datasheet

Recombinant Human PYCR1 His Protein NBP1-50895-0.05mg

Unit Size: 0.05 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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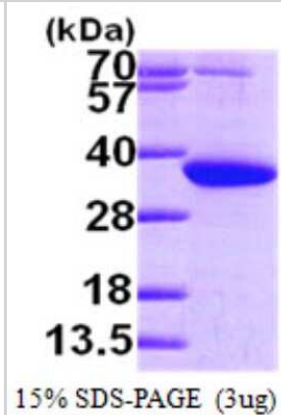
NBP1-50895-0.05mg**Recombinant Human PYCR1 His Protein**

Product Information	
Unit Size	0.05 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>90%, by SDS-PAGE
Buffer	20 mM Tris-HCl buffer (pH 8.5), 10% glycerol
Target Molecular Weight	35.5 kDa
Product Description	
Description	<p>A bioactive recombinant protein with a N-Terminal His-tag and corresponding to the amino acids 1-319 of Human PYCR1</p> <p>Source: <i>E.coli</i></p> <p>Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MSVGFIGAGQ LAFALAKGFT AAGVLAHKI MASSPDMDLA TVSALRKMVG KLTPHNKETV QHSDVLFLAV KPHIIPFILD EIGADIEDRH IVVSCAAGVT ISSIEKKLSA FRPAPRVIRC MTNTPVVVRE GATVYATGTH AQVEDGRLME QLLSSVGFC T EVEEDLIDAV TGLSGSGPAY AFTALDALAD GGVKMGLPRR LAVRLGAQAL LGAAMLLHS EQHPGQLKDN VSSPGGATIH ALHVLESGGF RSLINAVEA SCIRTRELQS MADQEQVSPA AIKKTILDKV KLDSPAGTAL SPSGHTKLLP RSLAPAGKD</p>
Gene ID	5831
Gene Symbol	PYCR1
Species	Human
Details of Functionality	Specific activity is > 0.03 unit/mg. One unit will oxidize 1.0 umole of L-proline to 1 -pyrroline-5-carboxylate per minute in the presence of beta NAD at pH 10.0 at 25C.
Product Application Details	
Applications	SDS-Page, Enzyme Activity
Recommended Dilutions	SDS-Page, Enzyme Activity



Images

SDS-Page: Recombinant Human PYCR1 Protein [NBP1-50895] - 15 %
SDS-PAGE (3ug)



Procedures

SDS-Page protocol for PYCR1 Protein (NBP1-50895)

SDS-PAGE (NBP1-50895):

1. Prepare an assay buffer with the following concentrations:
200 mM Tris-HCl (pH10.0) and 10 mM NAD, 20mM L-proline, and load 150 ul into each well. <p/>
2. Add 50 ul of 1.25 ug and 2.5 ug recombinant PYCR1 protein to each well. <p/>
3. Record the increase in A340nm for 5 minutes at 25C.





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Products Related to NBP1-50895-0.05mg

NBP2-13834PEP	PYCR1 Recombinant Protein Antigen
AF3398	Catalase Antibody [Unconjugated]
H00005831-B01P	PYCR1 Antibody
NB110-41404	Glutamine Synthetase Antibody

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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