

Pyrroline-5-Carboxylate Reductase Activity Assay kit

Pyrroline-5-carboxylate reductase (P5CR) is an important housekeeping protein widelyfoundin prokaryotes and eukaryotes. In the presence of NAD(P)H, pyrroline-5-carboxylic acid(P5C)isconverted to proline by pyrroline-5-carboxylate reductase, and P5CR has also been foundtobeinvolved in the metabolism of thioproline in E. coli. Thioproline is dehydrogenated by pyrroline-5-carboxylate reductase and is accompanied by the conversion of NAD to NADH. In the presence of 1-mPMS, WST-1 reacts with NADH to produce water-soluble formazan with a characteristic absorption peak at 450 nm.

| Catalog No. | 250538 |
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| Size | 50 Assays / 100 Assays |
| Product Category | Colorimetric Assay |
| Storage/Stability | -20°C/6 months |
| Shipping | Gel Packs |

www.realgenelabs.com

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