

nitrate reductase Assay Kit | LOC542278 assay kit

nitrate reductase assay kit (Visible light method)

CATALOG #
AAA22080

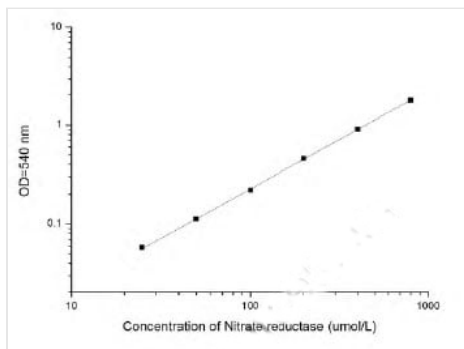
PRODUCT SYNONYMS

nitrate reductase; nitrate reductase assay kit (Visible light method); LOC542278 assay kit

PRODUCT SPECIFICATIONS

Specificity	50Assays (Can detect 24 samples without duplication)
Sequence Length	910
Samples	Fresh plant tissue, culture cells, bacteria samples
Detection Range	1.3-250U/L
Sensitivity	1.3 U/L
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LOC542278 assay kit	Principle of the Assay: NR can catalyze the reduction of nitrate in plants and form nitrite. The produced nitrite can form red azo compounds with p-aminobenzenesulfonic acid and alpha-naphthylamine under acidic conditions. The NR activity can be calculated by measuring the OD value at 540 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	803378384
NCBI GeneID	542278
NCBI GenBank Nucleotide #	NM_001305856.1
Molecular Weight	69,773 Da
NCBI Official Full Name	nitrate reductase

NCBI Official Symbol	LOC542278
NCBI Official Synonym Symbols	NR; NAR1S
NCBI Protein Information	nitrate reductase [NADH]
UniProt Protein Name	Nitrate reductase [NADH]
UniProt Gene Name	NR
UniProt Synonym Gene Names	NR
UniProt Entry Name	NIA1_MAIZE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/nitrate-reductase/22080>