

Urease Active Protein | URE active protein

Recombinant Urease

CATALOG # AAA38249	HOST E Coli
------------------------------	-----------------------

PRODUCT SYNONYMS

Urease; Recombinant Urease; Urease Recombinant; URE active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE
Form/Format	Each mg of protein contains 370µg Potassium Phosphate and 30µg EDTA Na ₂ .
Sequence Length	838
Unit Defenition	One Unit oxidizes one micromole of NADH per minute at 25 degree C, at pH 7.6.
Physical Appearance	Sterile Lyophilized Powder
Solubility	It is recommended to reconstitute the lyophilized Urease in sterile 18M Omega -cm H ₂ O.
Biological Activity	The activity was found to be 120U/mg powder.
Preparation and Storage	Urease although stable at 4°C for 3 weeks, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for URE active protein	Description: The mutant Urease from microorganism source, showing shifted substrate affinity to urea. It was designed wildtype coding gene from microorganism. The subunit structure is very similar to well known microbial urease. Please refer to published literature such as JBC 262, 5963-67 (1987). It is composed of multi-subunits and shows a bit complex protein structure (alpha 2 Beta 4 Gamma 4) as compared to plant urease rUrease is genetically designed unique mutant having shifted high Km to urea, which is suited material to kinetic urea assay with wide measurable range. The enzyme comprises of three different subunits to make complete fully active form, 60.3 kD a subunit, 11.7 kD b subunit and 11.1 kD g subunit respectively.
Product Categories/Family for URE active protein	Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	15220459
NCBI GeneID	843076
NCBI Accession #	NP_176922.1
NCBI GenBank Nucleotide #	NM_105422.3
NCBI Official Full Name	urease
NCBI Official Symbol	URE
NCBI Official Synonym Symbols	F12B7.10; F12B7_10; URE; urease

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/urease/38249>