

Asparaginyl-tRNA Synthetase (KS)

Antigen Specification

Product Number: 30100

Description:

Human asparaginyl-tRNA synthetase (EC 6.3.5.6; KS).
Recombinant antigen for research use or manufacturing only.

Immunological function:

Binds IgG-type human auto-antibodies.

Origin:

Recombinant. Expressed by recombinant baculovirus (*Autographa californica* multiple nuclear polyhedrosis virus; AcMNPV) infection of *Spodoptera frugiperda* Sf9 insect cells.

Expression construct:

Full-length cDNA coding for the human asparaginyl-tRNA synthetase (KS) fused to a hexa-histidine purification tag.

Biochemical tests:

SDS-PAGE (purity > 80%); Western blot with i: polyclonal anti-KS antibody; ii: monoclonal anti-hexa-His-tag antibody.

Calculated molecular weight:

63,853 Dalton

Calculated isoelectric point:

pH 6.1

Recommended buffer/storage and handling conditions:

Recommendations for storage buffer: ionic strength around 200 mM salt, neutral to slightly alkaline pH and 20% glycerol as cryoprotective agent.
Storage conditions: -70°C or below.
Repeated freeze/thaw cycles should be avoided.

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