

Mouse Glutamine Synthetase peptide ab73592

Description

Product name	Mouse Glutamine Synthetase peptide
Purity	> 70 % HPLC. 70 - 90% by HPLC
Accession	<u>P15105</u>
Animal free	No
Nature	Synthetic
Species	Mouse

Specifications

Our **Abpromise guarantee** covers the use of **ab73592** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Form	Liquid
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Additional notes

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.
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General Info

Function	This enzyme has 2 functions: it catalyzes the production of glutamine and 4-aminobutanoate (gamma-aminobutyric acid, GABA), the latter in a pyridoxal phosphate-independent manner (By similarity). Essential for proliferation of fetal skin fibroblasts.
Involvement in disease	Defects in GLUL are the cause of congenital systemic glutamine deficiency (CSGD) [MIM:610015]. CSGD is a rare developmental disorder with severe brain malformation resulting in multi-organ failure and neonatal death. Glutamine is largely absent from affected patients serum, urine and cerebrospinal fluid.
Sequence similarities	Belongs to the glutamine synthetase family.
Developmental stage	Expressed during early fetal stages.

Cellular localization

Cytoplasm. Mitochondrion.

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