

GRS (Glycyl-tRNA synthetase)

Cat.NO.: TP02341

3th Edition

Synonyms:CMT2D, DSMAV, GlyRS, SMAD1.

Description:Glycyl-tRNA synthetase catalyzes the ligation of glycine with glycyl-tRNA using ATP and its mutation induces Charcot-Marie-Tooth (CMT) disease. This gene encodes glycyl-tRNA synthetase, one of the aminoacyl-tRNA synthetases that charge tRNAs with their cognate amino acids. The encoded enzyme is an (alpha)₂ dimer which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis.

Form:Phosphate buffered saline, pH 7.4

Molecular Weight:79kDa

Sequences:

Purity:> 95% by HPLC

Concentration:0.40mg/ml

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.