

RNLS, 18-342aa , Human, His tag, E.coli

Cat.NO.: TP03758

3th Edition

Synonyms:Renalase, C10orf59, RENALASE.

Description:Renalase, also known as RNLS, is a flavin adenine dinucleotide-dependent amine oxidase that is secreted into the blood from the kidney. It is also suggested that RNLS functions as a hormone that metabolizes circulating catecholamines, which have an active role in the sympathetic and parasympathetic nervous systems. A high concentration of catecholamines activate plasma RNLS and promotes its secretion and synthesis.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M Urea, 10% glycerol

Molecular Weight:38.8 kDa (349aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMALLRRQTSGPLYLAVWDKAEDSGGRMTTACSPHNPQCTADLGAQYITCT
PHYAKKHQRFYDELLAYGVLRLPLSSPIEGMVMKEGDCNFVAPQGISSIIKHLYLKESGAEVYFRHRVTQINLRDDKWE
VSKQTGSPEQFDLIVLTMVPEILQLQGDITTLISECQRQQLEAVSYSSRYALGLFYEAGTKIDVPWAGQYITSNPCIR
FVSIDNKKRNIESSEIGPSLVIHTTVPFVGTYLEHSIEDVQELVFQQLENILPGLPQPIATKCKQWRHSQVTNAAANCP
GQMTLHHKPFLACGGDGFQSNFDGCITSALCVLEALKNYI

Purity:> 95% by HPLC

Concentration:1 mg/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.