

AR50556PU-S

Human Renalase (18-342, His-tag) - Purified

Alternate names:

C10orf59, RNLS

Quantity:

0.1 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q5VYX0](#)

NCBI:

[NP_001026879](#)

GeneID:

[55328](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2M Urea, 10% glycerol

Description:

Recombinant human RNLS protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMALLRRQ TSGPLYLAVW DKAEDSGGRM TTACSPHNQ
CTADLGAQYI TCTPHYAKKH QRFYDELLAY GVLRLSSPI EGMVMKEGDC NFVAPQGISS
IIKHYLKESG AEVYFRHRVT QINLRDDKWE VSKQTGSPEQ FDLIVLTMPV PEILQLQGDI
TTLISECQRQ QLEAVSYSSR YALGLFYEAG TKIDVPWAGQ YITSNPCIRF VSIDNKKRNI
ESSEIGPSLV IHTTVPGVT YLEHSIEDVQ ELVFQQLNI LPGLPQPIAT KCQKWRHSQV
TNAANCPGQ MTLHHKPFLA CGGDGFTQSN FDGCITSALC VLEALKNYI

Molecular weight: 38.8 kDa (349aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:

Xu J., et al. (2007) Curr Poin Nephrol Hypertens. 16:373-378. Li G., et al. (2008) Circulation. 117:1277-1282.

Pictures:

