Recombinant human Renalase protein

Catalog Number: ATGP1732

PRODUCT INFORMATION

Expression system
E.coli

Domain
18-342aa

UniProt No.
Q5VYX0

NCBI Accession No.
NP_001026879

Alternative Names
Renalase, C10orf59, RENALASE

PRODUCT SPECIFICATION

Molecular Weight
38.8 kDa (349aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2M urea, 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

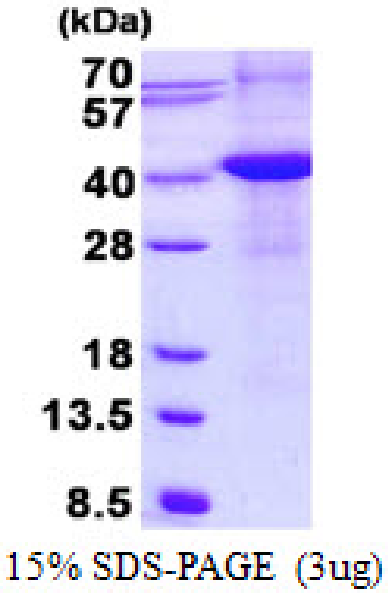
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General References

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

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.