



Recombinant Protein Technical Manual
Recombinant Mouse KYNU/Kynureninase Protein
(His Tag)(Active)
RPES2982

Product Data:

Product SKU: RPES2982

Size: 20µg

Species: Mouse

Expression host: Baculovirus-Insect Cells

Uniprot: Q9CXF0

Protein Information:

Molecular Mass: 53.7 kDa

AP Molecular Mass: 47 kDa

Tag: C-His

Bio-activity: Measured by its ability to oxidize 3-hydroxykynurenine. The specific activity is > 100 pmoles/min/µg.

Purity: > 94 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: 4432411A05Rik

Immunogen Information:

Sequence: Met 1-Ser 464

Background:

Genetic studies in mouse and human suggest that kynureninase activity may influence blood pressure and renal function. The gene coding kynureninase (KYNU) is also located on chromosome band 2q14-q23, where a linkage peak for essential hypertension was previously detected in the Chinese Han population. The results show that the rare KYNU variant Arg188Gln affects kynureninase activity and are consistent with the hypothesis that this mutation can predispose to essential hypertension.