Recombinant Mouse KYNU/Kynureninase Protein (His Tag)

Catalog Number:PKSM040748

Note: Centrifuge before opening to ensure complete recovery of vial contents.

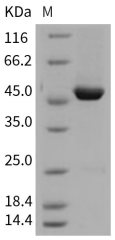
Description

Synonyms	4432411A05Rik
Species	Mouse
Expression Host	Baculovirus-Insect Cells
Sequence	Met 1-Ser 464
Accession	Q9CXF0
Calculated Molecular Weight	53.7 kDa
Observed molecular weight	47 kDa
Tag	C-His
Bioactivity	Measured by its ability to oxidize 3-hydroxykynurenine. The specific activity is > 100 pmoles/min/μg.

Properties

Purity	> 94 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 94 % as determined by reducing SDS-PAGE.

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.

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