Catalog Number: 500391



General Information

Gene Name Synonym

Protein Flrt2

Protein Construction

A DNA sequence encoding the mouse FLRT2 (Q8BLU0) (Met1-Ser539) was expressed with a Cterminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of Neuro-2A mouse neuroblastoma cells. When cells are added to coated plates($5\mu g/mL$,100 μL /well), approximately 50%-70% will adhere for 1 hour incubation at 37°C.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

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

Stability

Samples are stable for up to twelve months from date of receipt at $-70^{\circ}C$

Predicted N terminal

Cys 36 **Molecular Mass**

The recombinant mouse FLRT2 comprises 515 amino acids and has a predicted molecular mass of 57.6 kDa. The apparent molecular mass of the protein is approximately 68-78 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4.1. 5 % trehalose and mannitol are added as protectants before lyophilization.2. Please contact us for any concerns or special requirements.

Usage Guide

Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE

KDa	M
116	
66.2	
45.0	-
35.0	-
25.0	-
18.4	-
14.4	-

Mouse FLRT2 Protein (His Tag) SDS-PAGE