

Mouse WISP1 Protein

Cat. No. WIP-MM101

Description

Source	Recombinant Mouse WISP1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr23-Asn367.
Accession	O54775
Molecular Weight	The protein has a predicted MW of 39.4 kDa. Due to glycosylation, the protein migrates to 64-68 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μ g by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

Formulation	Supplied as 0.22 μ m filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The interplay between glioma stem cells (GSCs) and the tumor microenvironment plays crucial roles in promoting malignant growth of glioblastoma (GBM), the most lethal brain tumor. WISP1 is preferentially expressed and secreted by GSCs. Silencing WISP1 markedly disrupts GSC maintenance, reduces tumor-supportive TAMs (M2), and potently inhibits GBM growth. WISP1 signals through Integrin α 6 β 1-Akt to maintain GSCs by an autocrine mechanism and M2 TAMs through a paracrine manner.

Assay Data

Bis-Tris PAGE



Mouse WISP1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.