

Active Recombinant Human ISM1 Protein (Ser27-Tyr464), C-6xHis-tagged

Cat. No. ISM1-33H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ISM1 Protein (Ser27-Tyr464) with a C-terminal 6-His tag was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	Ser27-Tyr464
Description	Acts as an angiogenesis inhibitor. Predicted to be involved in negative regulation of angiogenesis. Predicted to be located in extracellular region.
Bio-activity	Measured by its ability to enhance neurite outgrowth of E16-E18 rat embryonic cortical neurons. Recombinant Human Isthmin 1/ISM1, immobilized at 5 µg/mL on a 96 well plate, is able to significantly enhance neurite outgrowth.
Molecular Mass	Predicted Molecular Mass: 50 kDa SDS-PAGE: 62-71 kDa, reducing conditions
N-terminal Sequence Analysis	Ser27
Endotoxin	<0.10 EU/µg of the protein by the LAL method.

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Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
Storage	12 months from date of receipt, ≤ -20 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, ≤ -20 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution	Reconstitute at 500 µg/mL in PBS.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	ISM1 isthmin 1 [Homo sapiens (human)]
Official Symbol	ISM1
Synonyms	ISM1; isthmin 1; ISM; Isthmin; C20orf82; bA149I18.1; dJ1077I2.1; isthmin-1; isthmin 1 homolog; isthmin 1, angiogenesis inhibitor
Gene ID	140862
mRNA Refseq	NM_080826
Protein Refseq	NP_543016
MIM	615793
UniProt ID	B1AKI9

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