

Recombinant Human ISM2, His-tagged

Cat. No. ISM2-119H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human Isthmin-2/ISM2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Leu27-Tyr571) of Human ISM2 fused with a 6His tag at the C-terminus.

Species Human

Source HEK293

ProteinLength 27-571 a.a.

Description Isthmin-2 belongs to the isthmin family. Isthmins represent a novel family of vertebrate secreted proteins containing one copy of the thrombospondin type 1 repeat (TSR), which in mammals is shared by several proteins with diverse biological functions, including cell adhesion, angiogenesis, and patterning of developing nervous system. Isthmin-2 is a secreted protein and contains a TSR and a C-terminal AMOP domain (adhesion-associated domain in MUC4 and other proteins), characteristic of extracellular proteins involved in adhesion processes.

AA Sequence
 LPVKKPRLRGPRPGSLTRLAEVSASPDPRPLKEEEEAPLLPRTHLQAEPHQHGCWT
 VTEPAAMTP GNTTPPRTPEVTPLRLELQKLPGLANTTLSTPNPDTQASASPDPRPL
 REEEEARLLPRTHLQAEL HQHGCWTVTEPAALTPGNATPPRTQEVTPLLLELQKLP
 ELVHATLSTPNPDNQVTIKVVEDPQAE VSIDLLAEPSNPPPQDTLSWLPALWSFLW
 GDYKGEEKDRAPGEKGEKEEDEDYPSEDIEGEDQE DKEEDEEEQALWFNGTDD
 NWDQGWLAPGDWVFKDSVSYDYEPQKEWSPWSPCSGNCSTGKQQRTR PCGYG

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CTATETRTCDLPSCPGTEDKDTLGLPSEEWKLLARNATDMHDQDVDSCEKWLNCK
SDFLI KYLSQMLRDLPSCPCAYPLEAMDSPVSLQDEHQGRSFRWRDASGPRERLDI
YQPTARFCLRSMLS GESSTLAAQHCCYDEDSRLLTRGKGAGMPNLISTDFSPKLHF
KFDTPWILCKGDWSRLHAVLPP NNGRACTDNPLEEEYLAQLQEAKKEYVDHHHHH
H

Endotoxin Less than 0.1 ng/μg (1 IEU/μg).

Purity Greater than 95% as determined by reducing SDS-PAGE.

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