

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 GNTTPPRTPEVTPLRLELQKLPLGLANTTLSTPNPDTQASASPDPRPL REEEEARLLPRTHLQAEL HQHGCWTVTEPAALTPGNATPPRTQEVTPLLLELQKLP ELVHATLSTPNPDNQVTIKVVEDPQAE VSIDLLAEPSPNPPQDTLSWLPALWSFLW GDYKGEEKDRAPGEKGEEKEEDEDYPSEDIEGEDQE DKEEDEEEQALWFNGTTD NWDQGWLAPGDWVFKDSVSYDYEPQKEWSPWSPCSGNCSTGKQQRTR PCGYG

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CTATETRTCDLPSCPGTEDKDTLGLPSEEWKLLARNATDMHDQDVDSCEKWLNCK
SDFLI KYLSQMLRDLPSCPCAYPLEAMDSPVSLQDEHQGRSFRWRDASGPRERLDI
YQPTARFCLRSMLS GESSTLAAQHCCYDEDSRLLTRGKGAGMPNLISTDFSPKLHF
KFDTTPWILCKGDWSRLHAVLPP NNGRACTDNPLEEEYLAQLQEAKKEYVDHHHHH
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Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
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Purity	Greater than 95% as determined by reducing SDS-PAGE.
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