

Isthmin-1/ISM1 Protein, Human, Recombinant (His)

General Information

Synonyms: ISM1;C20orf82;ISM;Isthmin-1

Protein Construction: 30-464 aa

Species: Human

Expression Host: E. coli

Accession: B1AKI9

Molecular Weight: 53.1 kDa (predicted), 63 kDa (reducing conditions)

AA Sequence: ADGPDAAAGNASQAQLQNNLNVGSDTTSETSFSLKEAPREHLDHQAAHQPFPRFRQETGHPSLQRDF
PRSFLLDLPNFPDLKADINGQNPNIQVTIEVVDGPDSEADKDQHPENKPSWSVPSDWRAWWQRSLSLAR
ANSGDQDYKYDSTSDDSNFLNPPRGWDHTAPGHRTFETKDQPEYDSTDGEGDWLWSVCSVTCGNGNQK
RTRSCGYACTATESRTCDRPNCPGIEDTFRTAATEVSLLAGSEEFNATKLFVVDTDSCERWMSCKSEFLKKYM
HKVMNDLPSCPCSYPTVEVAYSTADIFDRIKRKDFRWK DASGPKEKLEIYKPTARYCIRSMLSLESTTLAAQHCC
YGDNMQLITRGKGAGTPNLISTEFS AELHYKVDVLPWIICKGDWSRYNEARPPNNGQKCTESPSDEDYIKQFQ
EAREY

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Lyophilized from a 0.2 μm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

A DRUG SCREENING EXPERT

Acts as an angiogenesis inhibitor.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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