

Spindlin-1 Protein, Human, Recombinant (GST)

General Information

Synonyms: Spindlin-1;Spindlin1;OCR;Ovarian cancer-related protein;SPIN;SPIN1

Protein Construction: 1-262 aa

Species: Human

Expression Host: E. coli

Accession: Q9Y657

Molecular Weight: 56.6 kDa (predicted)

AA Sequence: MKTPFGKTPGQRSRADAGHAGVSANMMKKRTSHKKHRSSVSGPSKPVSQPRRNIVGCRIQHWKEGNGPVT
QWKGTVLDQVPVNPVNSLYLIKYDGFDCVYGLELNKDERVSALEVLDPDRVATSRISDAHLADTMIGKAVEHMFET
EDGSKDEWRGMVLARAPVMNTWFYITYEKDPVLYMYQLDDYKEGDLRIMPDSNDSPPAEREPGEVVDLSLV
GKQVEYAKEDGSKRTGMVIHQVEAKPSVYFIKFDFFFHIIYVYDLVKTS

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: > 90% as determined by SDS-PAGE.

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

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

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

Chromatin reader that specifically recognizes and binds histone H3 both trimethylated at 'Lys-4' and asymmetrically dimethylated at 'Arg-8' (H3K4me3 and H3R8me2a) and acts as an activator of Wnt signaling pathway downstream of PRMT2. In case of cancer, promotes cell cancer proliferation via activation of the Wnt signaling pathway. Overexpression induces metaphase arrest and chromosomal instability. Localizes to active

A DRUG SCREENING EXPERT

rDNA loci and promotes the expression of rRNA genes. May play a role in cell-cycle regulation during the transition from gamete to embryo. Involved in oocyte meiotic resumption, a process that takes place before ovulation to resume meiosis of oocytes blocked in prophase I: may act by regulating maternal transcripts to control meiotic resumption.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481