

Wilms tumor protein/WT1 Protein, Human, Recombinant (His & SUMO)

General Information

Synonyms: Wilms tumor protein;WT33;WT1

Protein Construction: 1-449 aa

Species: Human

Expression Host: E. coli

Accession: P19544

Molecular Weight: 65.2 kDa (predicted)

AA Sequence: MGSDVRDLNALLPAVPSLGGGGCALPVSGAAQWAPVLDFAAPPGASAYGSLGPAPPPAPPPPPPPHS
FIKQEWSWGGAEPEHQQCLSAFTVHFSGQFTGTAGACRYGPFGPPPPSQASSGQARMFPNAPYLPSCLESQP
AIRNQGYSTVTFDGTPSYGHTPSHHAAQFPNHSFKHEDPMGQQGSLGEQQYVPPPVYGCHTPTDCTGSQ
ALLLRTPYSSDNLYQMTSQLECMTNQMLGATLKGVAAGSSSVKWTGQSNHSTGYESDNHTTPICGA
QYRIHHTHGVRGIQDVRRVPGVAPTLVRSASETSEKRPFMCAYPGCNKRYFKLQLQMHSRKHTGEKPYQCD
FKDCERRFSRSRSDLQLKRHQRRHTGVKPFQCKTCQRKFSRSDHLKTHTRHTGKTSEKPFSCRWPSCQKKFARS
DELVRHHNMHQRNMTKLQLAL

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.

Shipping:

In general, Lyophilized powders are shipping with blue ice. Solutions are shipping with dry ice.

Protein Background

Transcription factor that plays an important role in cellular development and cell survival. Recognizes and binds to

the DNA sequence 5'-GCG(T/G)GGGCG-3'. Regulates the expression of numerous target genes, including EPO. Plays an essential role for development of the urogenital system. It has a tumor suppressor as well as an oncogenic role in tumor formation. Function may be isoform-specific: isoforms lacking the KTS motif may act as transcription factors. Isoforms containing the KTS motif may bind mRNA and play a role in mRNA metabolism or splicing. Isoform 1 has lower affinity for DNA, and can bind RNA.

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_email:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481