Recombinant Sp1 protein

Catalog No: 31136

Source: Human

Expressed In: Baculovirus

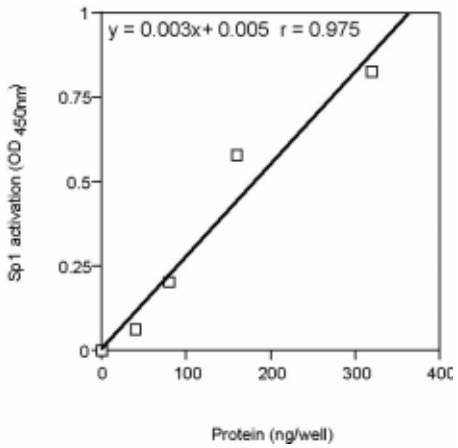
Contents: 5 µg of Recombinant Sp1 protein and Dilution Buffer AM1 (20 mM Tris-Cl (pH 8), 20% glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA)

Protein Details
The wild-type Sp1 protein (785 amino acids, accession number NM 138473) was expressed in a baculovirus system with an amino terminal polyhistidine tag and purified by an affinity column in combination with FPLC chromatography. The purified recombinant protein is greater than 90% homogeneous and contains no detectable protease, DNase and RNase activity.

Dilution of Protein
Recombinant Sp1 protein is supplied in solution. Dilution Buffer AM1 is provided for diluting the protein. If you are performing TransAM assays, dilute the recombinant protein using the Complete Lysis Buffer provided in the TransAM Kit.

Application
Recombinant Sp1 is suitable for in vitro transcription, DNase I protection, gelshift and TransAM assays. 30-100 ng is sufficient for reconstituted transcription assays and 5-25 ng in a 20 µl volume are sufficient for gelshift assays. The molecular weight of the protein is ~100 kDa. The standard curve for TransAM™ Sp1 was generated using the range of 320-40 ng of protein.

NOTE: The presence of Poly [d(I-C)] in buffers may affect protein functionality and should be avoided.



The standard curve for TransAM was generated using a range of 320-40 ng of protein and run on the TransAM Sp1 ELISA Kit.

Storage
Lyophilized proteins can be stored at 4°C, preferably desiccated. Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. This product is guaranteed for 6 months from date of arrival.

Research use
This product is for research use only and is not for use in diagnostic procedures.