Recombinant SP2 protein (His tag)

Catalog Number	547179
Species	Human
Expression System	E. coli
Accession	Q02086
Molecular Weight	Predictes a molecular mass of 12.47 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	524-613
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 524-613 aa (Q02086) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Transcription factor Sp2 (524-613) is a high-purity protein fragment designed for structural and biochemical studies. This 90-amino acid fragment offers a stable and soluble unit, ideal for investigating the molecular mechanisms of Sp2 in gene regulation. Transcription factor Sp2, encoded by the SP2 gene in Homo sapiens, binds to GC box promoter elements and selectively activates mRNA synthesis from genes containing these recognition sites. It is localized in the nucleus, where it plays a critical role in transcriptional regulation, influencing gene expression essential for cellular processes. This fragment provides a focused tool for exploring Sp2's functional domains and interactions.