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**Product Data Sheet**


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Product Name: MED27 Human  
 Cat. No.: GP23908  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Mediator Complex Subunit 27; MED27; CRSP8; Cofactor Required For Sp1 Transcriptional Activation; Subunit 8 34kDa; P37 TRAP/SMCC/PC2 Subunit; Transcriptional Coactivator CRSP34; CRSP34; CRSP Complex Subunit 8; CRAP34; TRAP37; Mediator of RNA Polymerase II Transcription Subunit 27; Cofactor Required For Sp1 Transcriptional Activation Subunit 8.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMADVINV SVNLEAFSQA ISAIQALRSS VSRVFDCLKD GMRNKETLEG REKAFIAHFQ DNLHSVNRDL NELERLSNLV GKPSNHPLH NSGLLSLDPV QDKTPLYSQL LQAYKWSNKL QYHAGLASGL LNQQSLKRSA NQMGVSAKRR PKAQPTTLVL PPQYVDDVIS RIDRMFPEMS IHLSRPNGTS AMLLVTLGKV LKVIVMRS� FIDRTIVKGY NENVYTEDGK LDIWSKSNYQ VFQKVTDHAT TALLHYQLPQ MPDVVRSFM TWLRSYIKLF QAPCQRCGKF LQDGLPPTWR DFRTLEAFHD TCRQ.		
Formulation	The MED27 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

**Introduction**

Mediator Complex Subunit 27 (MED27) is a subunit of the CRSP (cofactor required for SP1 activation) complex, which, together with TFIID, is necessary for efficient activation by SP1. MED27 is a component of the Mediator complex, a coactivator involved in the regulated transcription of virtually all RNA polymerase II-dependent genes. MED27 protein is also a component of other multisubunit complexes such as the thyroid hormone receptor-(TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. The activation of MED27 gene transcription is a multistep process, which is triggered by

**Caution: Product has not been fully validated for medical applications. For research use only.**

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factors that identify transcriptional enhancer sites in DNA.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

MED27 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 334 amino acids (1-311) and having a molecular mass of 37.8 kDa. MED27 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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