

## 32-4192: Recombinant Human Mediator Complex Subunit 4

**Alternative Name :** Mediator of RNA polymerase II transcription subunit 4, Mediator complex subunit 4, Vitamin D3 receptor-interacting protein complex 36 kDa component, Activator-recruited cofactor 36 kDa component, TRAP/SMCC/PC2 subunit p36 subunit, DRIP36, ARC36, MED4

### Description

Source : Escherichia Coli. MED4 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 278 amino acids (1-270 a.a.) and having a molecular mass of 30.7kDa. MED4 is fused to 8 amino acids His Tag at C-terminus and purified by proprietary chromatographic techniques. Mediator complex subunit 4 (MED4) is a component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. MED4 is a component of the vitamin D receptor-interacting protein (DRIP) complex which functions as a nuclear receptor coactivator. The DRIP complex is able to activate nuclear receptors in a ligand-dependent manner. MED4 functions as a link to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription apparatus. MED4 is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors.

### Product Info

**Amount :** 25 µg  
**Purification :** Greater than 80.0% as determined by SDS-PAGE.  
**Content :** The MED4 protein solution contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 1mM DTT and 100mM NaCl.  
**Storage condition :** 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.  
**Amino Acid :** MAASSSGEKE KERLGGGLGV AGGNSTRERL LSALEDLEVL SRELIEMLAI SRNQKLLQAG EENQVLELLI HRDGEFQELM KLALNQGKIH HEMQVLEKEV EKRDGDIQQL QKQLKEAEQI LATAVYQAKE KLKSIEKARK GAISSEIIK YAHRISASNA VCAPLTWVPG DPRRPYPTDL EMRSGLLGQM NNPSTNGVNG HLPGDALAAG RLPDVLAPQY PWQSNDSMSMN MLPPNHSSDF LLEPPGHNKE DEDDVEIMST DSSSSSESSELD LEHHHHHH.

