

MED1 Protein, Human, Recombinant (His & SUMO)

General Information

Synonyms:	DRIP205;CRSP1;PPARBP;PPARGBP;ARC205;MED1;Activator-recruited cofactor 205 kDa component (ARC205);Mediator complex subunit 1;TRIP2;PBP;Vitamin D receptor-interacting protein complex component DRIP205;Peroxisome proliferator-activated receptor-binding protein (PBP;PPAR-binding protein);Thyroid receptor-interacting protein 2 (TR-interacting protein 2;TRIP-2);RB18A;Mediator of RNA polymerase II transcription subunit 1;CRSP200;DRIP230;Thyroid hormone receptor-associated protein complex 220 kDa component (Trap220);TRAP220;p53 regulatory protein RB18A
Protein Construction:	878-1031 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q15648
Molecular Weight:	32.2 kDa (predicted)
AA Sequence:	FGEEYFDESSQSGDNDDFKGFASQALNTLGVPMGGDNGETKFKGNNQADTVDFSIIISVAGKALAPADLME HHSGSQGPLLTGDLGKEKTQKRKVEGNGTSTLSGPGLDSPGKRSRTPSNDGKSKDKPPKRKKADTEGK SPSHSSSNRPF

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.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator 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. Acts as a coactivator for GATA1-mediated transcriptional activation during erythroid differentiation of K562 erythroleukemia cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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