



Recombinant Human Mediator of RNA polymerase II transcription subunit 1 (MED1), partial

Product Code	CSB-EP621880HU
Relevance	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 (PubMed:10406464, PubMed:11867769, PubMed:12037571, PubMed:12218053, PubMed:12556447, PubMed:14636573, PubMed:15340084, PubMed:15471764, PubMed:15989967, PubMed:16574658, PubMed:9653119). Acts as a coactivator for GATA1-mediated transcriptional activation during erythroid differentiation of K562 erythroleukemia cells (PubMed:24245781).
Abbreviation	Recombinant Human MED1 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q15648
Alias	Activator-recruited cofactor 205 kDa component Short name: ARC205 Mediator complex subunit 1 Peroxisome proliferator-activated receptor-binding protein Short name: PBP Short name: PPAR-binding protein Thyroid hormone receptor-associated protein complex 220 kDa component Short name: Trap220 Thyroid receptor-interacting protein 2 Short name: TR-interacting protein 2 Short name: TRIP-2 Vitamin D receptor-interacting protein complex component DRIP205 p53 regulatory protein RB18A
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	FGEEYFDESSQSGDNDDFKGFASQALNTLGVPM LGDNGETKFKGNNQADT VDFSII SVAGKALAPADLMEHHSGSQGPLLLTTGDLGKEKTQKR VKEGNGTSNS TLSGPGLDSKPGKRSRTPSNDGKSKDKPPKRKKADTEGKSPSHSSSNRPF
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	MED1
Protein Names	Recommended name: Mediator of RNA polymerase II transcription subunit 1 Alternative name(s): Activator-recruited cofactor 205 kDa component Short name= ARC205 Mediator complex subunit 1 Peroxisome proliferator-activated



receptor-bin

Expression Region

878-1031aa

Notes

Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Tag Info

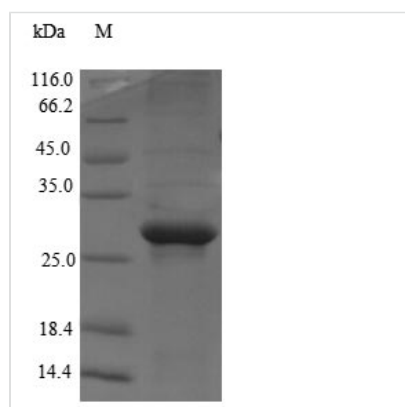
N-terminal 6xHis-SUMO-tagged

Mol. Weight

32.2kDa

Protein Length

Partial

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.