
Product Data Sheet

Product Name: MED20 Human
 Cat. No.: GP23904
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Mediator of RNA polymerase II transcription subunit 20; Mediator complex subunit 20; TRF-proximal protein homolog; hTRFP; MED20; TRFP; PRO0213.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMGVTCVS QMPVAEGKSV QQTVELLTRK LEMLGAEKQG TFCVDCETYH TAASTLGSQG QTGKLMYVMH NSEYPLSCFA LFENGPCLIA DTNFDVLMVK LKGFFQSAKA SKIETRGRTRY QYCDFLVKVG TVTMGPSARG ISVEVEYGPC VVASDCWSLL LEFLQSFLGS HTPGAPAVFG NRHDAVYGPA DTMVQYMELF NKIRKQQQVP VAGIR.		
Formulation	MED20 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.5), 0.2M NaCl, 50% glycerol and 1mM DTT.		

Introduction

Mediator Complex Subunit 20 (MED20) is a subunit of the Mediator complex, which is a multiprotein coactivator of RNA transcription that interacts with DNA-bound transcriptional activators, RNA polymerase II, and general initiation factors. The Mediator functions as a link to transmit information from gene-specific regulatory proteins to the basal RNA polymerase II transcription apparatus. Mediator is recruited to promoters by direct interactions with regulatory proteins and functions as a scaffold for the compilation of a functional preinitiation complex with RNA polymerase II and the general transcription factors.

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.

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

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Background

MED20 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 235 amino acids (1-212 a.a.) and having a molecular mass of 25kDa. MED20 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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