
Product Data Sheet

Product Name: DR1 Human
 Cat. No.: GP23339
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	NC2; NC2-BETA; Negative cofactor 2-beta.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MASSSGNDDD LTIPRAAINK MIKETLPNVR VANDARELVV NCCTEFIHLI SSEANEICNK SEKKTISPEH VIQALES LGF GSYISEVKEV LQECKTVALK RRKASSRLEN LGIPEEELLR QQQELFAKAR QQQAELAQQE WLQMQQAAQQ AQLAAASASA NQAGSSQDE EDDDDI.		
Formulation	DR1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.1mM PMSF, 0.1M NaCl & 10% glycerol.		

Introduction

DR1 is a phosphoprotein that inhibits both basal and activated levels of transcription. DR1 is phosphorylated in vivo which affects its interaction with TBP. DR1 has a histone fold motif at the amino terminus, a TBP-binding domain, and a glutamine- and alanine-rich region. By selectively repressing polymerases II and III, DR1 alters the physiological balance of transcriptional output in favor of polymerase I.

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

DR1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 196 amino acids (1-176 a.a.) and having a molecular mass of 21.6 kDa. The DR1 is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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

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