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DR1 Human

Description: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.

Catalog #:PRPS-549

For research use only.

Synonyms:NC2, NC2-BETA, Negative cofactor 2-beta.

Source: Escherichia Coli.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MASSSGNDDD LTIPRAAINK MIKETLPNVR VANDARELVV NCCTEFIHLI SSEANEICNK SEKKTISPEHVIQALESLGF GSYISEVKEV LQECKTVALK RRKASSRLEN LGIPEEELLR QQQELFAKAR QQQAELAQQE WLQMQQAAQQ AQLAAASASA NQAGSSQDE EDDDDI.

Purity: Greater than 85.0% as determined by SDS-PAGE.

Formulation:
DR1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.1mM PMSF, 0.1M NaCl & 10% glycerol.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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