9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HUS1 Human

HUS1 Checkpoint Homolog Human Recombinant
RCP1095

Product Overview

Name	HUS1 Human
Description	
HUS1 Checkpoint Homolog Human Recombinant	
Accession (Primary)	O60921
Synonyms	
HUS1 Checkpoint Homolog (S. pombe), Checkpoint Protein HUS1, Hus1+-like protein.	
Introduction	
HUS1 is a component of an evolutionarily conserved, genotoxin-activated checkpoint complex. HUS1 protein connects with Rad9 and Rad1 to form the 9-1-1(RAD9-RAD1-HUS1) complex, that confines to DNA lesions and promotes DNA damage signaling and repair or apoptosis, cell cycle arrest. The trimeric complex is structurally similar to the proliferating cell nuclear antigen (PCNA) sliding clamp and interacts with Rad17 as a clamp-clamp loader pair during the DNA damage response.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The HUS1 protein solution (0.25mg/ml) is formulated in 20 mM Tris-HCl Buffer (pH 8.0), 100 mM NaCl and 40% 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. Please avoid freeze thaw cycles.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MKFRAKIVDG ACLNHFTRIS NMIAKLAKTC TLRISPDKLN FILCDKLANG GVSMWCELEQ ENFFNEFQME GVSAENNEIY LELTSENLSR ALKTAQNARA LKIKLTNKHF PCLTVSVELL SMSSSSRIVT HDIPIKVIPR KLWKDLQEPV VPDPDVSIYL PVLKTMKSVV EKMKNISNHL VIEANLDGEL	

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NLKIETELVC VTTHFKDLGN PPLASESTHE DRNVEHMAEV HIDIRKLLQF LAGQQVNPTK ALCNIVNNKM VHFDLLHEDV SLQYFIPALS

Precautions

HUS1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O60921)