

HUS1 Human

Description: HUS1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 300 amino acids (1-280a.a.) and having a molecular mass of 33.8kDa. HUS1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-046

For research use only.

Synonyms: HUS1 Checkpoint Homolog (S. pombe), Checkpoint Protein HUS1, Hus1+-like protein.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MKFRAKIVDG ACLNHFTRIS
NMIKLAQTC TLRISPDKLN FILCDKLANG GVSMWCELEQ ENFFNEFQME GVSAENNEIY
LELTSENLSR ALKTAQNARA LKIKLTNKH F PCLTVSVELL SMSSSSRIVT HDIPIKVIPR
KLWKDLQEPV VPDPDVSIL PVLKTMKSVV EKMKNISNHL VIEANLDGEL NLKIETELVC
VTTHFKDLGN PP

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

The HUS1 protein solution (0.25mg/1ml) is formulated in . In 20 mM Tris-HCl Buffer (pH 8.0), 100 mM NaCl and 40% Glycerol.

Usage:

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

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.

Storage:

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.

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