9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-3999: HUS1 Recombinant Protein

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

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount :	5 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	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.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MKFRAKIVDG ACLNHFTRIS NMIAKLAKTC TLRISPDKLN FILCDKLANG GVSMWCELEQ ENFFNEFQME GVSAENNEIY LELTSENLSR ALKTAQNARA LKIKLTNKHF PCLTVSVELL SMSSSSRIVT HDIPIKVIPR KLWKDLQEPV VPDPDVSIYL PVLKTMKSVV EKMKNISNHL VIEANLDGEL NLKIETELVC VTTHFKDLGN PPLASESTHE DRNVEHMAEV HIDIRKLLQF LAGQQVNPTK ALCNIVNNKM VHFDLLHEDV SLQYFIPALS

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