

Product information

HUS1, 1-280aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0815

Full name: checkpoint protein HUS1

NCBI Accession No.: NP_004498

Description: HUS1 is a component of an evolutionarily conserved, genotoxin-activated checkpoint complex. This protein associates with Rad9 and Rad1 to form the 9-1-1(RAD9-RAD1-HUS1) complex, which localizes 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. Recombinant human HUS1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

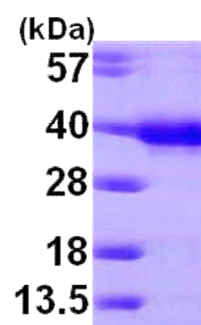
Form: Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 100 mM NaCl,

40% Glycerol

Molecular Weight: 33.8 kDa (300aa), confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 0.25mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MKFRAKIVDG ACLNHFTRIS NMIKLAATC TLRISPKLN FILCDKLANG GVSMWCELEQ ENFFNEFQME
GVSAENNEIY LETSENLSR ALKTAQNARA LKIKLTNKH PCLTVSVELL SMSSSRIVT HDPIKVIIPR KLWKDLQEPV VPDQVSIYL
PVLKTMKSVV EKMKNISNHL VIEANLDGEL NLKIEITELVC VTTHFKDLGN PPLASESTHE DRNVEHMAEV HIDIRKLLQF LAGQQVNPTK
ALCNIVNNKM VHFDLLHEDV SLQYFIPALS

General references:

Weiss RS., *et al* (2009) *Proc Natl Acad Sci U S A*. 106(50):21282-7.

Roos-Mattjus P., *et al* (2002) *J Biol Chem*. 15;277(46):43809-12.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: +1 (763) - 780-2955 Fax: +1 (763) - 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com