
Product Data Sheet

Product Name: HUS1 Human
 Cat. No.: GP23681
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HUS1 Checkpoint Homolog (S. pombe); Checkpoint Protein HUS1; Hus1+-like protein.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MKFRAKIVDG ACLNHFTRIS NMIAKLAKTC TLRISPKLN FILCDKLANG GVSMWCELEQ ENFFNEFQME GVSAENNEIY LEITSENLSR ALKTAQNARA LKIKLTNKHF PCLTVSVELL SMSSSRIVT HDIPIKVIPR KLWKDLQEPV VPDPDVSIVL PVLKTMKSVV EKMKNISNHL VIEANLDGEL NLKIETELVC VTTHFKDLGN PPLASESTHE DRNVEHMAEV HIDIRKLLQF LAGQQVNPTK ALCNIVNNKM VHFDLLHEDV SLQYFIPALS		
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.		

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.

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.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA