

Recombinant Full Length Human HUS1 Protein, GST-tagged

Cat. No. HUS1-5720HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HUS1 full-length ORF (AAH07013, 1 a.a. - 280 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	280 amino acids
Description	The protein encoded by this gene is a component of an evolutionarily conserved, genotoxin-activated checkpoint complex that is involved in the cell cycle arrest in response to DNA damage. This protein forms a heterotrimeric complex with checkpoint proteins RAD9 and RAD1. In response to DNA damage, the trimeric complex interacts with another protein complex consisting of checkpoint protein RAD17 and four small subunits of the replication factor C (RFC), which loads the combined complex onto the chromatin. The DNA damage induced chromatin binding has been shown to depend on the activation of the checkpoint kinase ATM, and is thought to be an early checkpoint signaling event. [provided by RefSeq]
Molecular Mass	56.54 kDa
AA Sequence	MKFRKIVDGAACLNHFTRISNMIKLAKTCTLRISPDKLNFIKCDKLANGGVSMWCEL EQENFFNEFQMEGVSAENNEIYLELTSENLSRALKTAQNARALKIKLTNKHFPCLTVS VELLSMSSSSRIVTHDIPKIVIPRKLWKDLQEPVVPDPDVSIIYLPVLKTMKSVVEKMKN ISNHLVIEANLDGELNLKIETELVCVTTTHFKDLGNPPLASESTHEDRNVHEHMAEVHIDI

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	RKLLQFLAGQQVNP TKALCNIVNNKMHFDLLHEDVSLQYFIPALS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HUS1 HUS1 checkpoint homolog (S. pombe) [Homo sapiens]
Official Symbol	HUS1
Synonyms	HUS1; HUS1 checkpoint homolog (S. pombe); HUS1 (S. pombe) checkpoint homolog; checkpoint protein HUS1; hus1+ like protein; hus1+-like protein; hHUS1;
Gene ID	3364
mRNA Refseq	NM_004507
Protein Refseq	NP_004498
MIM	603760
UniProt ID	O60921

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