

## 32-8079: Recombinant Human Checkpoint Protein HUS1 (N-6His)(Discontinued)

**Gene :** HUS1  
**Gene ID :** 3364  
**Uniprot ID :** O60921

### Description

Source: E.coli.  
MW :34.9kD.

Recombinant Human Checkpoint Protein HUS1 is produced by our E.coli expression system and the target gene encoding Met1-Ser280 is expressed with a 6His tag at the N-terminus. Checkpoint protein HUS1 is a member of the HUS1 family, members of which are shuttled between the nucleus and cytoplasm. HUS1 is expressed in many tissues. HUS1 is a component of an evolutionarily conserved, genotoxin-activated checkpoint complex involved in arresting the cell cycle in response to DNA damage. 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. HUS1 binds 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 and cell cycle arrest.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 40% Glycerol, pH 8.0 .  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMKFRAKIVDGAACLNHFTRISNMIAKLAKTCTLRISPDKLNFILCDKLANGGVSM  
WCELEQENFFNEFQMEGVSAENNEIYLELTSENLSRALKTAQNARALKIKLTNKHFPCLTVSVELLSMSSSRIV  
THDIPIKVIPRKLWKDLQEPVVPDPDVSIIYLPVLKTMKSVVEKMKNISNHLVIEANLDGELNLKIETELVCVTTHFK  
DLGNPPLASESTHEDRNVEHMAEVHIDIRKLLQFLAGQVNPTKALCNIVNNKMVHFDLLHEDVSLQYFIPALS  
VEHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.