

Recombinant Human HERC2 Protein (S3951-P4321), Tag Free

Cat. No. HERC2-0432H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human (GG)-HERC2(S3951-P4321) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	S3951-P4321
Description	E3 ubiquitin-protein ligase that regulates ubiquitin-dependent retention of repair proteins on damaged chromosomes. Recruited to sites of DNA damage in response to ionizing radiation (IR) and facilitates the assembly of UBE2N and RNF8 promoting DNA damage-induced formation of 'Lys-63'-linked ubiquitin chains. Acts as a mediator of binding specificity between UBE2N and RNF8. Involved in the maintenance of RNF168 levels. E3 ubiquitin-protein ligase that promotes the ubiquitination and proteasomal degradation of XPA which influences the circadian oscillation of DNA excision repair activity. By controlling the steady-state expression of the IGF1R receptor, indirectly regulates the insulin-like growth factor receptor signaling pathway.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	95%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80

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	centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 5% glycerol, 1 mM DTT
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	HERC2 HECT and RLD domain containing E3 ubiquitin protein ligase 2 [Homo sapiens (human)]
Official Symbol	HERC2
Synonyms	HERC2; HECT and RLD domain containing E3 ubiquitin protein ligase 2; hect domain and RLD 2; E3 ubiquitin-protein ligase HERC2; D15F37S1; jdf2; p528; probable E3 ubiquitin-protein ligase HERC2; hect domain and RCC1-like domain-containing protein 2; SHEP1; KIAA0393; DKFZp547P028;
Gene ID	8924
mRNA Refseq	NM_004667
Protein Refseq	NP_004658
MIM	605837
UniProt ID	O95714

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