

Recombinant Human HERC4, GST-tagged

Cat. No. HERC4-178H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human HERC4 (642-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	642-end a.a.
Description	HERC4 or HECT and RLD domain containing E3 ubiquitin protein ligase 4 belongs to the HERC family of ubiquitin ligases, all of which contain a HECT domain and at least 1 RCC1-like domain (RLD). The 350-amino acid HECT domain is predicted to catalyze the formation of a thioester with ubiquitin before transferring it to a substrate, and the RLD domain is predicted to act as a guanine nucleotide exchange factor for small G proteins. HERC4 is highly expressed in adult and fetal brain and in all specific brain regions examined.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~71 kDa
Purity	>80% by densitometry
Applications	Western Blot

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Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 µg/µl
GENE INFORMATION	
Gene Name	HERC4 HECT and RLD domain containing E3 ubiquitin protein ligase 4 [Homo sapiens]
Official Symbol	HERC4
Synonyms	HERC4; HECT and RLD domain containing E3 ubiquitin protein ligase 4; hect domain and RLD 4; probable E3 ubiquitin-protein ligase HERC4; DKFZP564G092; KIAA1593; HECT domain and RCC1-like domain-containing protein 4; DKFZp564G092;
Gene ID	26091
mRNA Refseq	NM_015601
Protein Refseq	NP_056416
MIM	609248
UniProt ID	Q5GLZ8
Chromosome Location	10
Pathway	Ubiquitin mediated proteolysis, organism-specific biosystem; Ubiquitin mediated

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proteolysis, conserved biosystem;

Function

acid-amino acid ligase activity; ligase activity; ubiquitin-protein ligase activity;

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