

Recombinant Human HECW2 Protein, MYC/DDK-tagged

Cat. No. HECW2-1100H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HECW2 protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a member of a family of E3 ubiquitin ligases which plays an important role in the proliferation, migration and differentiation of neural crest cells as a regulator of glial cell line-derived neurotrophic factor (GDNF)/Ret signaling. This gene also plays an important role in angiogenesis through stabilization of endothelial cell-to-cell junctions as a regulator of angiomin-1 stability. The encoded protein contains an N-terminal calcium/lipid-binding (C2) domain involved in membrane targeting, two-four WW domains responsible for cellular localization and substrate recognition, and a C-terminal homologous with E6-associated protein C-terminus (HECT) catalytic domain. Naturally occurring mutations in this gene are associated with neurodevelopmental delay, hypotonia, and epilepsy. The decreased expression of this gene in the aganglionic colon is associated with Hirschsprung's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2017]
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Molecular Mass	175.6 kDa

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Purity	>50 ug/mL as determined by microplate BCA method
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Concentration	>50 ug/mL as determined by microplate BCA method
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GENE INFORMATION

Gene Name	HECW2 HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2 [Homo sapiens]
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Official Symbol	HECW2
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Synonyms	NEDL2
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Gene ID	57520
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mRNA Refseq	NM_020760
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Protein Refseq	NP_065811
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UniProt ID	Q9P2P5
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