

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 angiominin-like 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

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

GENE INFORMATION

Gene Name HECW2 HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2 [Homo sapiens]

Official Symbol HECW2

Synonyms NEDL2

Gene ID 57520

mRNA Refseq NM_020760

Protein Refseq NP_065811

UniProt ID Q9P2P5

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