Recombinant Full Length Human EHD2 Protein, C-Flag-tagged

Cat. No. EHD2-2173HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human EHD2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the EH domain-containing protein family. These proteins are characterized by a C-terminal EF-hand domain, a nucleotide-binding consensus site at the N terminus and a bipartite nuclear localization signal. The encoded protein interacts with the actin cytoskeleton through an N-terminal domain and also binds to an EH domain-binding protein through the C-terminal EH domain. This interaction appears to connect clathrin-dependent endocytosis to actin, suggesting that this gene product participates in the endocytic pathway.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	61 kDa
AA Sequence	MFSWLKRGGARGQQPEAIRTVTSALKELYRTKLLPLEEHYRFGAFHSPALEDADFD GKPMVLVAGQYSTG KTSFIQYLLEQEVPGSRVGPEPTTDCFVAVMHGDTEGTVPG NALVVDPDKPFRKLNPFGNTFLNRFMCAQ LPNQVLESISIIDTPGILSGAKQRVSRG YDFPAVLRWFAERVDLIILLFDAHKLEISDEFSEAIGALRGH EDKIRVVLNKADMVET QQLMRVYGALMWALGKVVGTPEVLRVYIGSFWSQPLLVPDNRRLFELEEQDLFR DI QGLPRHAALRKLNDLVKRARLVRVHAYIISYLKKEMPSVFGKENKKKQLILKLPVIFAK

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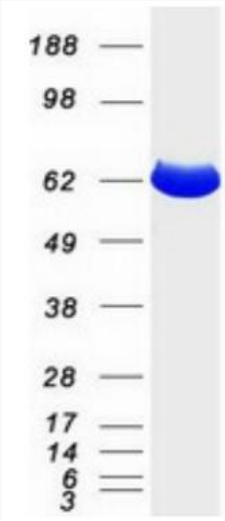
	IQLEHHISP GDFPDCQKMQELLMAHDFTKFHSLKPKLLEALDEMLTHDIAKLMPLLR QEELESTEVGVQGGAFEGTHMG PFVERGPDEAMEDGEEGSDDEAEWVVTKDKSK YDEIFYNLAPADGKLSGSKAKTWMVGTKLPNSVLGRIW KLSDVDRDGMLDDEEFAL ASHLIEAKLEGHGLPANLPRRLVPPSKRRHKGSAE TRTRPLEQKLISEEDLAANDILD YKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Endocytosis
Full Length	Full L.

GENE INFORMATION

Gene Name	EHD2 EH domain containing 2 [Homo sapiens (human)]
Official Symbol	EHD2
Synonyms	PAST2
Gene ID	30846

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mRNA Refseq	NM_014601.4
Protein Refseq	NP_055416.2
MIM	605890
UniProt ID	Q9NZN4



Coomassie blue staining of purified EHD2 protein.

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