

**HDFP626**

## Product Information

<b>Product SKU:</b>	HDFP626	<b>Expression Host:</b>	HEK293	<b>Size:</b>	10µg
<b>Target:</b>	BACD1	<b>Tag:</b>	C-Flag Tag		

## Additional Information

<b>Conjugate:</b>	Unconjugated	<b>Uniprot ID:</b>	Q8WZ19
<b>Molecular Weight:</b>	The human full length BACD1 protein has a MW of 36.4kDa		

## Protein Information

<b>Background:</b>	Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex required for synaptic transmission (PubMed:19782033). The BCR(KCTD13) E3 ubiquitin ligase complex mediates the ubiquitination of RHOA, leading to its degradation by the proteasome (PubMed:19782033) Degradation of RHOA regulates the actin cytoskeleton and promotes synaptic transmission (By similarity).[UniProtKB/Swiss-Prot Function]
<b>Synonyms:</b>	BACURD1, FKSG86, PDIP1, POLDIP1, hBACURD1
<b>Protein Description:</b>	Human BACD1 full length protein-synthetic nanodisc
<b>Formulation:</b>	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
<b>Protein Pathways:</b>	-
<b>Protein Families:</b>	Ion Channels: Other.
<b>Usage:</b>	Research use only

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.