

**HDFP597**

## Product Information

<b>Product SKU:</b>	HDFP597	<b>Expression Host:</b>	HEK293	<b>Size:</b>	10µg
<b>Target:</b>	CA2D3	<b>Tag:</b>	C-Flag Tag		

## Additional Information

<b>Conjugate:</b>	Unconjugated	<b>Uniprot ID:</b>	Q8IZS8
<b>Molecular Weight:</b>	The human full length CA2D3 protein has a MW of 123kDa		

## Protein Information

**Background:** This gene encodes a member of the alpha-2/delta subunit family, a protein in the voltage-dependent calcium channel complex. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization and consist of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. Various versions of each of these subunits exist, either expressed from similar genes or the result of alternative splicing. Research on a highly similar protein in rabbit suggests the protein described in this record is cleaved into alpha-2 and delta subunits. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]

**Synonyms:** HSA272268

**Protein Description:** Human CA2D3 full length protein-synthetic nanodisc

**Formulation:** 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.

**Protein Pathways:** -

**Protein Families:** Ion Channels: Other.

**Usage:** 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.