

# Recombinant Human ZIC2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ZIC2-774H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	ZIC2 MS Standard C13 and N15-labeled recombinant protein (NP_009060) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>This gene encodes a member of the ZIC family of C2H2-type zinc finger proteins. This protein functions as a transcriptional repressor and may regulate tissue specific expression of dopamine receptor D1. Expansion of an alanine repeat in the C-terminus of the encoded protein and other mutations in this gene cause holoprosencephaly type 5. Holoprosencephaly is the most common structural anomaly of the human brain. A polyhistidine tract polymorphism in this gene may be associated with increased risk of neural tube defects. This gene is closely linked to a gene encoding zinc finger protein of the cerebellum 5, a related family member on chromosome 13.</p>
<b>Molecular Mass</b>	54.8 kDa
<b>AA Sequence</b>	<pre>MLLDAGPQFPAIGVGSFARHHHHSAAAAAAAAAEMQDRELSLAAAQNGFVDSAAA HMGAFKLNPGAHELSPGQSSAFTSQGPGAYPGSAAAAAAAAALGPHAAHVGSYSG PPFNSTRDFLFRSRGFGDSAPGGGQHGLFGPGAGGLHHAHSDAQGHLLFPGLPEQ HGPHGSQNVLNGQMRLGLPGEVFGRSEQYRQVASPRTPYSAAQLHNQYGPMM</pre>

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MNMGMNMAAAAHHHHHHHHHPGAFFRYMRQQCIKQELICKWIDPEQLSNPKKSC  
 NKTFFSTMHELVTHSVVEHVGGPEQSNHVCFWEECPREGKPFKAKYKLVNHIRVHT  
 GEKPFPCPPFGCGKVFARSENKIHKRTHTGEKPFQCEFEGCDRRFANSSDRKKH  
 MHVHTSDKPYLCKMCDKSYTHPSSLRKHMKVHESSPQGSSESPAASSGYESSTPP  
 GLVSPSAEPQSSSNLSPAAAAAAAAAAAAAAAAAVSAVHRGGGSGSGGAGGGGSGGG  
 SGSGGGGGGAGGGGGGSSGGGSGTAGGHSLSSNFNEWYVTRTRPLEQKLISEE  
 DLAANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	ZIC2 Zic family member 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	ZIC2
<b>Synonyms</b>	ZIC2; Zic family member 2; Zic family member 2 (odd paired Drosophila homolog), Zic family member 2 (odd paired homolog, Drosophila); zinc finger protein ZIC 2; HPE5; Zinc finger protein of the cerebellum 2; Zic family member 2 (odd-paired homolog, Drosophila);
<b>Gene ID</b>	7546

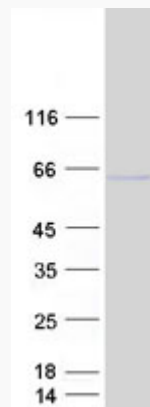
mRNA Refseq [NM\\_007129](#)

Protein Refseq [NP\\_009060](#)

MIM [603073](#)

UniProt ID [O95409](#)

SDS-PAGE



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