

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

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

SPECIFICATION

Product Overview	ZIC2 MS Standard C13 and N15-labeled recombinant protein (NP_009060) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	54.8 kDa
AA Sequence	MLLDAGPQFPAIGVGSFARHHHHSAAAAAAAAAEMQDRELSLAAAQNGFVDSAAA HMGAFKLNPGAHELSPGQSSAFTSQGPGAYPGSAAAAAAAAALGPHAAHVGSYSG PPFNSTRDFLFRSRGFGDSAPGGGQHGLFGPGAGGLHHAHSDAQGHLLFPGLPEQ HGPHGSQNVLNGQMRLGLPGEVFGRSEQYRQVASPRTPYSAAQLHNQYGPMN

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MNMGMNMAAAAHHHHHHHHHPGAFFRYMRQQCIKQELICKWIDPEQLSNPKKSC
 NKTFTMHELVTHVSVEHVGGPEQSNHVCFWEECPREGKPFKAKYKLVNHIRVHT
 GEKPFPCFPFGCGKVFARSENKIHKRTHHTGEKPFQCEFEGCDRRFANSSDRKKH
 MHVHTSDKPYLCKMCDKSYTHPSSLRKHKMKVHESSPQGSESSPAASSGYESSTPP
 GLVSPSAEPQSSSNLSPAAAAAAAAAAAAAAAAAVSAVHRGGGSGSGGAGGGSGGG
 SGSGGGGGGAGGGGGGSSGGGSGTAGGHSLSSNFNEWYVTRTRPLEQKLISEE
 DLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ZIC2 Zic family member 2 [Homo sapiens (human)]

Official Symbol ZIC2

Synonyms 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);

Gene ID 7546

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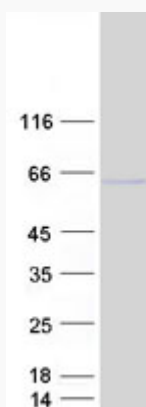
mRNA Refseq NM_007129

Protein Refseq NP_009060

MIM 603073

UniProt ID O95409

SDS-PAGE



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