

Product datasheet for PH320798

ZIC2 (NM_007129) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ZIC2 MS Standard C13 and N15-labeled recombinant protein (NP_009060)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220798
Predicted MW:	54.8 kDa
Protein Sequence:	>RC220798 representing NM_007129 Red=Cloning site Green=Tags(s)

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MLLDAGPQFPAIGVGSFARHHHSAAAAAAAAEMQDRELSLAAQNGFVDSAAAHMGAFKLNPGAHELSPGQSSAFTSQGPGAYPGSAAAAAAAAALGPHAAHVGSYSGPPFNSTRDFLFRSRGFSDSAPGGGQHGLFGPGAGGLHHAHSDAQGHLLFPGLPEQHGHGPHGSQNVLNGQMLGLPGEVFRSEQYRQVASPRTPYSAAQLHNQYGPMMNMGMNMAAAAAHHHHHHHHHPGAFFRYMRQQCIKQELICKWIDPEQLSNPKKSCNKTFFSTMHELVTHSVVEHVGPEQSNHVCFWEECPREGKPFKAKYKLVNHIRVHTGEKPFPCFPFGCGKVFARSENLIKIHKRTHTGEKPFQCFEGCDRRFANSSDRKKMHVHTSDKPYLCKMCDKSYTHPSSLRKHMKVHESPQGSESSPAASSGYESSTPPGLVSPSAEPQSSNLSAAAAAAAAAAAAAAAAAVSAVHRGGGSGGGAGGGSGGGSGGGGGGAGGGGGSSGGSGTAGGHSGLSSNFNEWYV
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_009060
RefSeq Size:	2698
RefSeq ORF:	1596



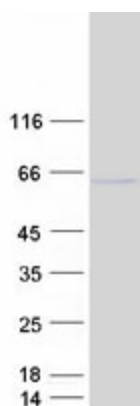
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Synonyms: HPE5
Locus ID: 7546
UniProt ID: [O95409](#), [A0A024RDY6](#)
Cytogenetics: 13q32.3

Summary: 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. [provided by RefSeq, Jul 2016]

Protein Families: Druggable Genome
Protein Pathways: Hedgehog signaling pathway

Product images:



Coomassie blue staining of purified ZIC2 protein (Cat# [TP320798]). The protein was produced from HEK293T cells transfected with ZIC2 cDNA clone (Cat# [RC220798]) using MegaTran 2.0 (Cat# [TT210002]).