ZIC1/ZIC2/ZIC3 (Human) Cell-Based ELISA Kit

Catalog # KA6309 Size 1 Kit

Specification

Product Description	ZIC1/ZIC2/ZIC3 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of ZIC1/ZIC2/ZIC3 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell.
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse
Regulatory Status	For research use only (RUO)
Storage Instruction	Store at 4°C for six months.

Applications

- Qualitative

Gene Info — ZIC1

Entrez GeneID	7545
Protein Accession#	Q15915; O95409; O60481
Gene Name	ZIC1
Gene Alias	ZIC, ZNF201
Gene Description	Zic family member 1 (odd-paired homolog, Drosophila)

Omim ID	600470
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the ZIC family of C2H2-type zinc finger proteins. Members of this family are important during development. Aberrant expression of this gene is seen in medulloblastoma, a childhood brain tumor. This gene is closely linked to the gene encoding zinc finger protein of the cerebellum 4, a related family member on chromosome 3. This gene encodes a transcription factor that can bind and transactivate the apolipoprotein E gene. [provided by RefSeq
Other Designations	Zic family member 1 (odd-paired Drosophila homolog)|Zinc finger protein of the cerebellum 1|zinc finger protein of the cerebellum 1

Gene Info — ZIC2

Entrez GeneID	7546
Protein Accession#	Q15915; O95409; O60481
Gene Name	ZIC2
Gene Alias	HPE5
Gene Description	Zic family member 2 (odd-paired homolog, Drosophila)
Omim ID	603073 609637
Gene Ontology	Hyperlink
Gene 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. 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
Other Designations	OTTHUMP00000018633|Zic family member 2 (odd-paired Drosophila homolog)|Zinc finger protein of the cerebellum 2|zinc finger protein of the cerebellum 2

Gene Info — ZIC3

Entrez GeneID	7547
Protein Accession#	Q15915; O95409; O60481
Gene Name	ZIC3

Gene Alias	HTX, HTX1, ZNF203
Gene Description	Zic family member 3 (odd-paired homolog, Drosophila)
Omim ID	300265 306955
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the ZIC family of C2H2-type zinc finger proteins. This nuclear pro tein probably functions as a transcription factor in early stages of left-right body axis formation. Mu tations in this gene cause X-linked visceral heterotaxy, which includes congenital heart disease a nd left-right axis defects in organs. [provided by RefSeq
Other Designations	OTTHUMP00000024142|heterotaxy 1|zinc finger protein of the cerebellum 3

Pathway

- Hedgehog signaling pathway

Disease

- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Neural Tube Defects
- Neural Tube Defects
- Neural Tube Defects