

KCTD1 Protein, Human (Sf9, His, Strep)

Cat. No.:	HY-P701582
Synonyms:	KCTD1; BTB/POZ domain-containing protein KCTD1; Potassium channel tetramerization domain-containing protein 1
Species:	Human
Source:	Sf9 insect cells
Accession:	Q719H9 (S2-D257)
Gene ID:	284252
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	<p>KCTD1 Protein emerges as a potential transcriptional regulator, implicated in the repression of AP-2 family members, including TFAP2A, TFAP2B, and TFAP2C, to varying extents. Its ability to form homodimers suggests a potential role in self-association, while its interaction with TFAP2A, TFAP2B, and TFAP2C via the BTB domain underscores its involvement in complex molecular interactions. The specific mechanisms through which KCTD1 modulates the transcriptional activity of AP-2 family members remain to be fully elucidated, prompting further investigation into its functional significance in gene expression regulation. The diverse interactions and potential regulatory roles of KCTD1 highlight its significance in orchestrating intricate transcriptional processes and warrant comprehensive studies to unravel the precise molecular pathways through which KCTD1 exerts its effects.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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