

Recombinant Human KCTD1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KCTD1-5494H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KCTD1 MS Standard C13 and N15-labeled recombinant protein (NP_945342) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein containing a BTB (Broad-complex, tramtrack and bric a brac), also known as a POZ (POxvirus and zinc finger) protein-protein interaction domain. The encoded protein negatively regulates the AP-2 family of transcription factors and the Wnt signaling pathway. A mechanism for the modulation of Wnt signaling has been proposed in which the encoded protein enhances ubiquitination and degradation of the beta-catenin protein. Mutations in this gene have been identified in Scalp-ear-nipple (SEN) syndrome.
Molecular Mass	29.4 kDa
AA Sequence	MSRPLITRSPASPLNNQGIPTPAQLTKSNAPVHIDVGGHMYTSSLATLTKYPESRIGR LFDGTEPIVLDSLKQHYFIDRDGQMFRYILNFLRTSKLLIPDDFKDYTLLEYEAKYFQL QPMLLEMERWKQDRETGRFSRPCECLVVRVAPDLGERITLSGDKSLIEEVFPEIGDV MCNSVNAGWNHDSHTVIRFPLNGYCHLNSVQVLERLQQRGFEIVGSCGGGVDSQ FSEYVLRRELRRTPRVPSVIRIKQEPLDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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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.

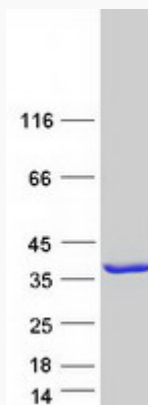
GENE INFORMATION

Gene Name	KCTD1 potassium channel tetramerisation domain containing 1 [Homo sapiens (human)]
Official Symbol	KCTD1
Synonyms	KCTD1; potassium channel tetramerisation domain containing 1; C18orf5; BTB/POZ domain-containing protein KCTD1; potassium channel tetramerization domain-containing protein 1; DKFZp451C132;
Gene ID	284252
mRNA Refseq	NM_198991
Protein Refseq	NP_945342
MIM	613420
UniProt ID	Q719H9

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SDS-PAGE

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