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Recombinant human KCNT1 protein, N-Trx-His

Catalog Number:	bs-42191P
Concentration:	>2mg/ml
Species:	Human
AA Seq:	611-780/1230
Predicted MW:	36.1 kDa
Tags:	N-Trx-His
Endotoxin:	Not analyzed
Purity:	>90% as determined by SDS-PAGE
Form:	Lyophilized or Liquid
Storage:	20mM Tris-Hcl (pH=8.0). Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.
Background:	Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a sodium-activated potassium channel subunit which is thought to function in ion conductance and developmental signaling pathways. Mutations in this gene cause the early-onset epileptic disorders, malignant migrating partial seizures of infancy and autosomal dominant nocturnal frontal lobe epilepsy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]

VALIDATION IMAGES

The purity of the protein is greater than 85% as determined by reducing SDS-PAGE.