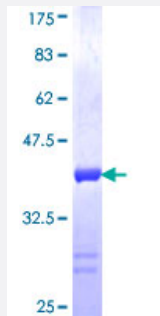


DFNB31 (Human) Recombinant Protein (Q01)

Catalog # H00025861-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DFNB31 partial ORF (NP_056219, 808 a.a. - 907 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GLLEPTSTLVRVKKSAATLGIAIEGGANTRQPLPRVTIQRGGSAHNCGQLKVGHVILEVNGLTLRGK EHREAARIAEAFKTKDRDYIDFLVTEFNVML
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (96); Rat (95)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DFNB31

Entrez GeneID [25861](#)

GeneBank Accession# [NM_015404](#)

Protein Accession# [NP_056219](#)

Gene Name DFNB31

Gene Alias CIP98, DKFZp434N014, KIAA1526, RP11-9M16.1, USH2D, WHRN, WI

Gene Description deafness, autosomal recessive 31

Omim ID [607084](#) [607928](#)

Gene Ontology [Hyperlink](#)

Gene Summary In rat brain, Cip98 interacts with a calmodulin-dependent serine kinase, CASK (MIM 300172), and may be involved in the formation of scaffolding protein complexes that facilitate synaptic transmission in the central nervous system (CNS) (Yap et al., 2003 [PubMed 12641734]). Mutations in this gene, also known as WHRN, cause DFNB31 (MIM 607084).[supplied by OMIM]

Other Designations CASK-interacting protein CIP98|OTTHUMP00000021976|OTTHUMP00000021978|whirlin

Disease

- [Bipolar Disorder](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)

- [Usher Syndromes](#)