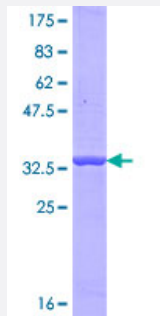


OTOF (Human) Recombinant Protein (Q01)

Catalog # H00009381-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human OTOF partial ORF (NP_919224.1, 1 a.a. - 98 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MALLIHLKTVSELRGRGDRIAKVTFRGQSFYSRVLENCEDVADFDETFRWPVASSIDRNEMLEIQV FNYSKVFSNKLIGTFRMVLQKVVEESHVEVTD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (92); Rat (92)
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 — OTOF

Entrez GeneID [9381](#)

GeneBank Accession# [NM_194248](#)

Protein Accession# [NP_919224.1](#)

Gene Name OTOF

Gene Alias DFNB6, DFNB9, FER1L2, NSRD9

Gene Description otoferlin

Omim ID [601071](#) [603681](#)

Gene Ontology [Hyperlink](#)

Gene Summary Mutations in this gene are a cause of neurosensory nonsyndromic recessive deafness, DFNB9. The short form of the encoded protein has 3 C2 domains, a single carboxy-terminal transmembrane domain found also in the C. elegans spermatogenesis factor FER-1 and human dysferlin, while the long form has 6 C2 domains. The homology suggests that this protein may be involved in vesicle membrane fusion. Several transcript variants encoding multiple isoforms have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000122454|OTTHUMP00000122455

Disease

- [Deafness](#)
- [Hearing Loss](#)