

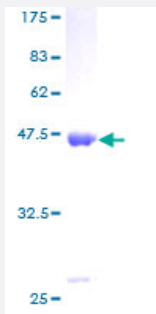
Full-Length

FREQ (Human) Recombinant Protein (P01)

Catalog # H00023413-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human FREQ full-length ORF (AAH04856, 1 a.a. - 190 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGKSNSKLPVVVEELTRKTYFTEKEVQQWYKGFIKDCPSGQLDAAGFQKMYKQFFPGDPTKFA TFVFNVDENKDGRIEFSEFIQALSVTSRGTLDKLRWAFKLYDLNDGYTRNEMLDIVDAIQMV GNTVELPEEENTPEKRVDRIFAMMDKNADGKLTQEFQEGSKADPSVQALSLYDGLV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	46.64
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 — FREQ

Entrez GeneID	23413
GeneBank Accession#	BC004856
Protein Accession#	AAH04856
Gene Name	FREQ
Gene Alias	DKFZp761L1223, FLUP, NCS-1, NCS1
Gene Description	frequenin homolog (Drosophila)
Omim ID	603315
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the neuronal calcium sensor gene family, which encode calcium-binding proteins expressed predominantly in neurons. The protein encoded by this gene regulates G protein-coupled receptor phosphorylation in a calcium-dependent manner and can substitute for calmodulin. The protein is associated with secretory granules and modulates synaptic transmission and synaptic plasticity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000022356 frequenin homolog frequenin-like ubiquitous protein neuronal calcium sensor 1

Disease

- [Anorexia Nervosa](#)

- [Bulimia](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)