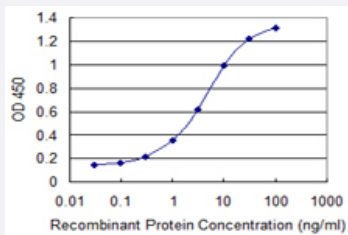


FREQ monoclonal antibody (M02), clone 3E7

Catalog # H00023413-M02

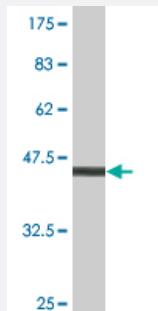
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FREQ is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (46.64 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant FREQ.
Immunogen	FREQ (AAH04856, 1 a.a. ~ 190 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MGKSNSKCLKPEVVEELTRKTYFTEKEVQQWYKGFIKDCPSGQLDAAGFQKIKYQFFPFGDPTKFA TFVFNVDENKDGRIEFSEFIQALSVTSRGTLDEKLRWAFKLYDLNDNGYITRNEMLDIVDAIQMV GNTVELPEEENTPEKRVDRIFAMMDKNADGKLTQEFQEGSKADPSVQALSLYDGLV
Host	Mouse
Reactivity	Human

Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (46.64 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FREQ is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

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](#)