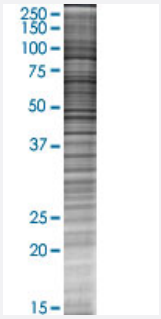
CHRM5 293T Cell Transient Overexpression Lysate(Denatured)

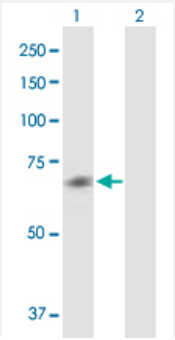
Catalog # H00001133-T01 Size 100 uL

Applications



SDS-PAGE Gel

CHRM5 transfected lysate.



Western Blot

Lane 1: CHRM5 transfected lysate (60.1 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CHRM5 full-length
Host	Human
Theoretical MW (kDa)	60.1
Interspecies Antigen Sequence	Mouse (89); Rat (89)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-CHRM5 antibody (H00001133-B01P) by Western Blots. SDS-PAGE Gel CHRM5 transfected lysate. Western Blot Lane 1: CHRM5 transfected lysate (60.1 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CHRM5

Entrez GeneID	1133
GeneBank Accession#	BC068528
Protein Accession#	AAH68528.1
Gene Name	CHRM5
Gene Alias	HM5, MGC41838
Gene Description	cholinergic receptor, muscarinic 5
Omim ID	118496
Gene Ontology	Hyperlink
Gene Summary	The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The clinical implications of this receptor are unknown; however, stimulation of this receptor is known to increase cyclic AMP levels. [provided by RefSeq
Other Designations	OTTHUMP00000159731|muscarinic acetylcholine receptor M5

Pathway

- Calcium signaling pathway
- Neuroactive ligand-receptor interaction
- Regulation of actin cytoskeleton

Disease

- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Bipolar Disorder
- Cardiovascular Diseases
- Cognition
- Diabetes Mellitus
- Disease Models
- Edema
- Genetic Predisposition to Disease
- Mental Disorders
- NARP
- Schizophrenia
- Schizophrenic Psychology
- Tobacco Use Disorder
- Weight Gain