

Recombinant Homo sapiens Muscarinic acetylcholine receptor M3

Catalog No: #AP72500

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Package Size: #AP72500-1 20ug #AP72500-2 100ug #AP72500-3 1mg

Description

Product Name	Recombinant Homo sapiens Muscarinic acetylcholine receptor M3
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:253-492aaSequence Info:Cytoplasmic Domain
Accession No.	P20309
Uniprot	P20309
GeneID	1131;
Calculated MW	28.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	RIYKETEKRTKELAGLQASGTEAETENFVHPTGSSRSCSSYELQQQSMKRSNRRKYGRCHFWFITTKSWKPS SEQMDQDHSSSDSWNNNDAAASLENSASSDEEDIGSETRAIYSIVLKLPGHSTILNSTKLPSDNLQVPEEELG MVDLERKADKLQAQKSVDDGGSPKSFSLPIQLESVDTAKTSDVNSSVGKSTATLPLSFKEATLAKRFALKT RSQITKRKRMSLVKEKAAQT
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is Pi turnover.

References

Distinct primary structures, ligand-binding properties and tissue-specific expression of four human muscarinic acetylcholine receptors.Peralta E.G., Ashkenazi A., Winslow J.W., Smith D.H., Ramachandran J., Capon D.J.EMBO J. 6:3923-3929(1987)Research Topic:Neuroscience

Note: This product is for in vitro research use only