

Product Information

MemDX™ Membrane Protein Human CATSPERG (Cation channel sperm associated auxiliary subunit gamma) Full Length

Cat. No.: **MPC0454K**

This product is for research use only and is not intended for diagnostic use.

This product is a 133 kDa Human CATSPERG membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CATSPERG

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

133 kDa

TMD

1

Sequence

MCGPAMFPAGPPWPRVRVVQVLWALLAVLLASWRLWAIKDFQECTWQVVL
NEFKRVGESGVSDSFFEQEPVDTVSSLFHMLVDSPIDPSEKYLGFYYLK
INYSCEEKPSDLVRMGHLTGLKPLVLVTFQSPVNFYRWKIEQLQIQMEA
APFRSKEPCMAEEVCSMSWYTPMPIKKGSVVMRVDISSNGLGTFIPDKRF
QMNINGFLKRDRDNNIQTFTVGEELFNLMPQYFVGVSRRPLWHTVDQSPVL
ILGGIPNEKYVLMTDTSFKDFSLVELSIDSCWVGSFYCPHSGFTATIYDT
IATESTLFIRQNQLVYYFTGTYYTLYERNRSGSGSWIRVLASECIKKLCPV
YFHSNGSEYIMALTGKHEGYVHFGTIRDGQVSFEMLPQRQWSVCEQIGVT
TCSIWSEYIAGEYTLTLLLVESGYGNASKRFQVVSYNASDDLELLYHIP
EFIEARGLEFLMILGTESYTTAMAPKGIFCNPYNNLFIWGNFLLQSS
NKENFIYLADFPKELSIKYMARSFRGAVAIVTETEEIWYLLGGSYRVYQL
FPSKGWQVHISLKLMMQSSLYASNETMLTLFYEDSKLYQLVYLMNNQKGQ
LVKRLVPVEQLLMYQQHTSHYDLERKGGYLMLSFIDFCPFSVMRLRSLPS
PQRYTRQERYRARPPRVLERSGFHNENSLAIYQGLVYYLLWLHSHVYDKPY
ADPVHDPTWRWWWANNKQDQDYFFLASNWRASAGGVSIEMDSYEKIYNLES
AYELPERIFLDKGTESYFAIFLSAQGHFSFRTQSELGTAFQLHSQVDVGVV
LADPGCIEASVKQEVLINRNSVLFSLTKDKKLCYDQGISGHLMETSMT
VNVVGSSGLCFQETHLGPHMQGNLMVPVFIGCPPGKRLAFDITYTLEYSR
LKNKH YFDCVNVNPEMPCFLFRDIFYPFFLIQDLVTGDSGSFQGSYVLLV

VGGGPTLDSLKDYEDEIYRFNSPLDKTNSLIWTTTRTTTKDSAFHIMS
HESPGIEWLCLNAPCYDNVPQGIFAPEFFFKVLVSNRGVDTSTYCNYQL
TFLHHIHLPLSPKRALFIIMVSASFVGLVIFYIAFCLLWPLVVKGCTM
IRWKINLIASESYYTYASISGISSMPSLRHSRMGSMFSSRMTEADRAEPK
EAVERQLMT

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CATSPERG

Full Name

Cation channel sperm associated auxiliary subunit gamma

Introduction

CATSPERG is a subunit of the CATSPER (see CATSPER1; MIM 606389) sperm calcium channel, which is required for sperm hyperactivated motility and male fertility.

Alternative Names

C19orf15; cation channel sperm-associated protein subunit gamma; catsper channel auxiliary subunit gamma; CATSPERG; Cation channel sperm associated auxiliary subunit gamma

Gene ID

[57828](#)

UniProt ID

[Q6ZRH7](#)