

Human TRPA1 Full-Length Bioactive Membrane Protein

HDFP016



Product Information

Product SKU:

HDFP016

Size:

10µg

Molecular Weight:

The human full length TRPA1 protein has a MW of 127.5 kDa

Expression System:

HEK293

Uniprot:

O75762

Target:

TRPA1

Antibody Information

Background:

The structure of the protein is highly related to both the protein ankyrin and transmembrane proteins. This protein is activated by a large variety of structurally unrelated electrophilic and non-electrophilic chemical compounds. Electrophilic ligands activate TRPA1 by interacting with critical N-terminal Cys residues in a covalent manner, whereas mechanisms of non-electrophilic ligands are not well determined. May be a component for the mechanosensitive transduction channel of hair cells in inner ear, thereby participating in the perception of sounds. Probably operated by a phosphatidylinositol second messenger system.

Description:

Human TRPA1 full length protein-synthetic nanodisc

Protein Family:

Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Synonyms:

ANKTM1; FEPS; FEPS1

Storage:

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Usage:

Research use only

Form:

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.

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