PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	TRPV6
Synonyms	ABP/ZF; CAT1; CATL; ECAC2; HRPTTN; HSA277909; LP6728; ZFAB
Description	Human TRPV6-Strep full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	Q9H1D0
Expression Host	HEK293
Protein Families	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane
Protein Pathways	N/A
Molecular Weight	The human full length TRPV6-Strep protein has a MW of 87.3 kDa
Formulation & Reconstitution	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. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Storage & Shipping	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.
Background	A member of a family of multipass membrane proteins that functions as calcium channels. The encoded protein contains N-terminal ankyrin repeats, which are required for channel assembly and regulation. Translation initiation for this protein occurs at a non-AUG start codon that is decoded as methionine. This gene is situated next to a closely related gene for transient receptor potential cation channel subfamily V member 5 (TRPV5). This locus has experienced positive selection in non-African populations, resulting in several non-synonymous codon differences among individuals of different genetic backgrounds.
Usage	Research use only
Conjugate	Unconjugated

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