

## TRPV6 protein

Human TRPV6 full length protein-synthetic nanodisc

CATALOG #  
**AAA129476**

HOST  
**HEK293**

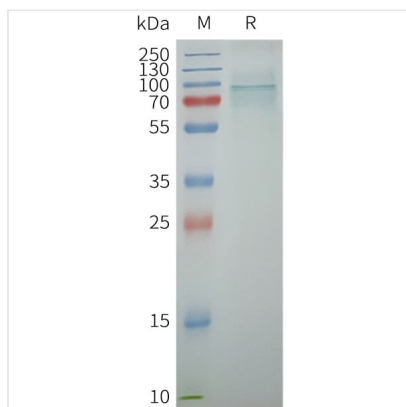
### PRODUCT SYNONYMS

TRPV6; Human TRPV6 full length protein-synthetic nanodisc; ABP/ZF; CAT1; CATL; ECAC2; HRPTTN; HSA277909; LP6728; ZFAB; TRPV6 protein

### PRODUCT SPECIFICATIONS

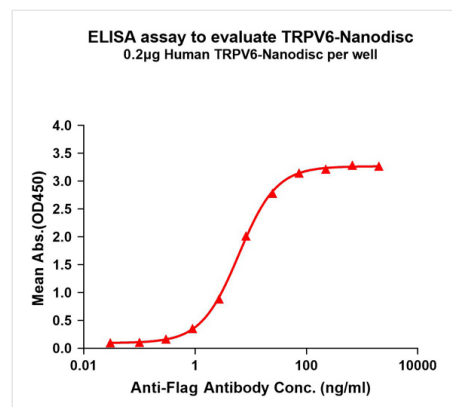
|                         |                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | HEK293                                                                                                                                                                                                                                                                   |
| Form/Format             | 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. Lyophilized from PBS. Normally 5%-          |
| Tag                     | C-DYKDDDDK                                                                                                                                                                                                                                                               |
| Preparation and Storage | Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |

### IMAGES



SDS-PAGE

Figure2. Human TRPV6-Nanodisc, DYKDDDDK Tag on SDS-PAGE



ELISA

Figure1. Elisa plates were pre-coated with DYKDDDDK Tag TRPV6-Nanodisc (0.2ug/per well). Serial diluted anti-DYKDDDDK monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-DYKDDDDK monoclonal antibody binding with TRPV6-Nanodisc is 6.111ng/ml.

### ADDITIONAL INFORMATION

#### Related Product Information for TRPV6 protein

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.

#### Product Categories/Family for TRPV6 protein

Full Length Transmembrane Proteins; Druggable Genome; Ion Channels: Transient receptor potential; Transmembrane

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 62901469                                                                                                                                                                                                                                                        |
| NCBI GeneID                      | 55503                                                                                                                                                                                                                                                           |
| UniProt Accession #              | Q9H1D0; Q8TDL3; Q8WXR8; Q96LC5; Q9H1D1; Q9H296; A4D2I8                                                                                                                                                                                                          |
| Molecular Weight                 | 725                                                                                                                                                                                                                                                             |
| NCBI Official Full Name          | Transient receptor potential cation channel subfamily V member 6                                                                                                                                                                                                |
| NCBI Official Synonym Full Names | transient receptor potential cation channel, subfamily V, member 6                                                                                                                                                                                              |
| NCBI Official Symbol             | TRPV6                                                                                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | CAT1; CATL; ZFAB; ECAC2; ABP/ZF; LP6728; HSA277909                                                                                                                                                                                                              |
| NCBI Protein Information         | transient receptor potential cation channel subfamily V member 6; calcium transport protein 1; epithelial calcium channel 2; calcium transporter-like protein; Alu-binding protein with zinc finger domain; epithelial apical membrane calcium transporter/chan |
| UniProt Protein Name             | Transient receptor potential cation channel subfamily V member 6                                                                                                                                                                                                |
| UniProt Gene Name                | TRPV6                                                                                                                                                                                                                                                           |
| UniProt Synonym Gene Names       | ECAC2; TrpV6; CaT-L; CaT1; ECaC2                                                                                                                                                                                                                                |
| UniProt Entry Name               | TRPV6_HUMAN                                                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-protein/trpv6/129476>