

## HUMAN TRPA1 FULL LENGTH PROTEIN

目录: 11016

产品名称: Human TRPA1 Full Length Protein

规格: 10 µg, 50 µg and 100 µg

基因符号: ANKTM1; FEPS; FEPS1

**Target:** TRPA1

**UNIPROT ID:** O75762

**描述:** Human TRPA1 full length protein-synthetic nanodisc

**背景:** 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.

**Species/Host:** HEK293

**Molecular Weight:** The human full length TRPA1 protein has a MW of 127.5 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.

**储存和运输:** 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.

ELISA assay to evaluate TRPA1-Nanodisc  
0.2µg Human TRPA1-Nanodisc per well

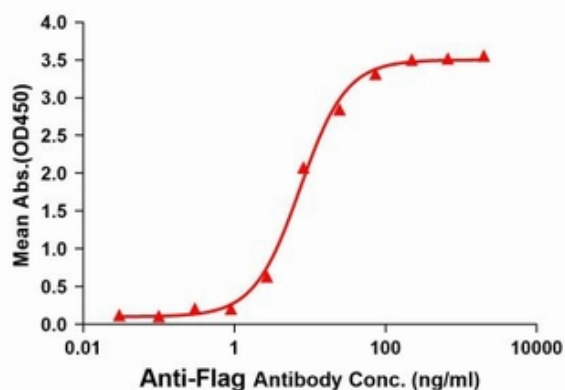


Figure1. Elisa plates were pre-coated with Flag Tag TRPA1-Nanodisc (0.2 µg/per well). Serial diluted Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Flag monoclonal antibody binding with TRPA1-Nanodisc is 7.433ng/ml.

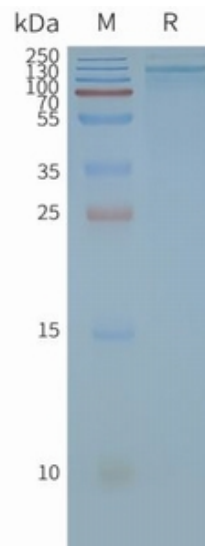


Figure2. Human TRPA1-Nanodisc, Flag Tag on SDS-PAGE