

## Recombinant Human TRPV1 protein, His-tagged

**Cat. No.** TRPV1-346H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TRPV1 protein(NP_061197)(1-203 aa), fused to His tag, was expressed in E. coli.                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 1-203 aa                                                                                                                                                                                                                                |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization. |
| <b>AA Sequence</b>      | MKKWSSTDLGAAADPLQKDTCPDPLDGDPSRPPPAKPQLSTAKSRTRLFGKGDS<br>EEAFPVDCPHEEGELDSCPTITVSPVITIQRPGDGPTGARLLSQDSVAASTEKTLRLY<br>DRRSIFEAVAQNNCQDLESLLLFLQKSKKHLTDNEFKDPETGKTCLLKAMLNLHDGQ<br>NTTIPLLEIARQTDSLKELVNASYTDSSYYKGQ                  |
| <b>Purity</b>           | 75%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.    |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------|
| <b>Reconstitution</b> | Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.                |
|                       | Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage. |

## GENE INFORMATION

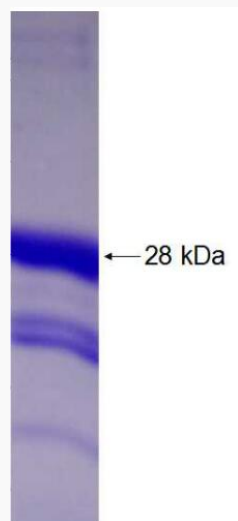
|                        |                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TRPV1 transient receptor potential cation channel, subfamily V, member 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b> | TRPV1                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | TRPV1; transient receptor potential cation channel, subfamily V, member 1; vanilloid receptor subtype 1 , VR1; transient receptor potential cation channel subfamily V member 1; OTRPC1; capsaicin receptor; osm-9-like TRP channel 1; vanilloid receptor subtype 1; transient receptor potential vanilloid 1a; transient receptor potential vanilloid 1b; VR1; DKFZp434K0220; |
| <b>Gene ID</b>         | 7442                                                                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_018727                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>  | NP_061197                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MIM</b>             | 602076                                                                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>      | Q8NER1                                                                                                                                                                                                                                                                                                                                                                         |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**SDS-PAGE**



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA