

## Recombinant Human TRPV1 protein, His-GST-tagged

Cat. No. TRPV1-8632H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TRPV1 protein(Q8NER1)(1-155aa), fused with N-terminal His and GST tag, was expressed in E.coli.                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 1-155aa                                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                 |
| <b>Molecular Mass</b>   | 48.4 kDa                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                     |
| <b>Reconstitution</b>   | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. |

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|                    |                                                                                                                                                                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AA Sequence</b> | MKKWSSTDLGAAADPLQKDTCPDPLDGDPNRPPPAKPQLSTAKSRTLFGKGDS<br>EEAFPVDCPHEEGELDSCPTITVSPVITIQRPGDGPTGARLLSQDSVAASTEKTLRLY<br>DRRSIFEAVAQNNCQDLESLLLFLQSKKHLTDNEFKDPETG |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## GENE INFORMATION

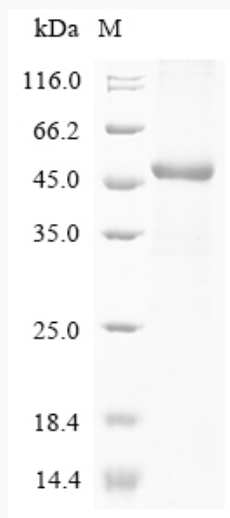
|                        |                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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                                                                                                                                                                                                                                                                                                                                                                         |

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## SDS-PAGE



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