

PRODUCT INFORMATION

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| Target | TAS2R38 |
| Synonyms | PTC; T2R38; T2R61; TH1OT |
| Description | Recombinant human TAS2R38 Protein with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | P59533 |
| Expression Host | HEK293 |
| Tag | C-Human Fc tag |
| Molecular Characterization | TAS2R38(Met1-Thr17) hFc(Glu99-Ala330) |
| Molecular Weight | The protein has a predicted molecular mass of 28.2 kDa after removal of the signal peptide. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| 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 | This gene encodes a seven-transmembrane G protein-coupled receptor that controls the ability to taste glucosinolates, a family of bitter-tasting compounds found in plants of the Brassica sp. Synthetic compounds phenylthiocarbamide (PTC) and 6-n-propylthiouracil (PROP) have been identified as ligands for this receptor and have been used to test the genetic diversity of this gene. Although several allelic forms of this gene have been identified worldwide, there are two predominant common forms (taster and non-taster) found outside of Africa. These alleles differ at three nucleotide positions resulting in amino acid changes in the protein (A49P, A262V, and V296I) with the amino acid combination PAV identifying the taster variant (and AVI identifying the non-taster variant). [provided by RefSeq, Oct 2009] |
| Usage | Research use only |
| Conjugate | Unconjugated |



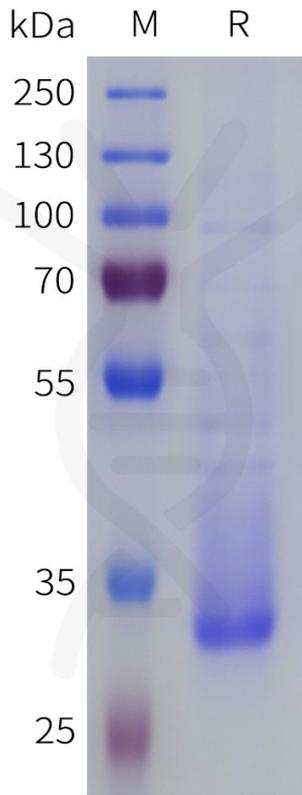


Figure 1. Human TAS2R38 Protein, hFc Tag on SDS-PAGE under reducing condition.

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