PRODUCT INFORMATION

Target	TAS2R38
Synonyms	PTC; T2R38; T2R61; THIOT
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

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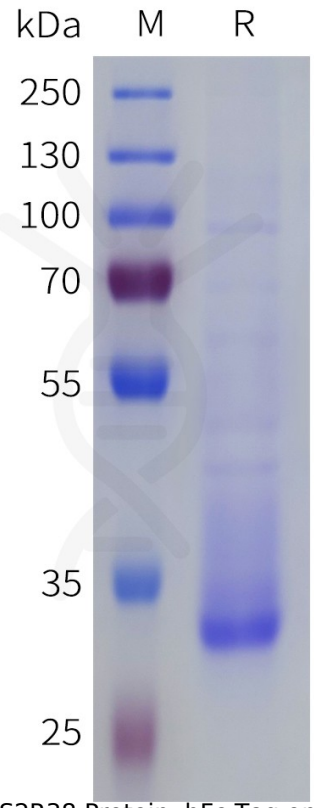


Figure 1. Human TAS2R38 Protein, hFc Tag on SDS-PAGE under reducing condition.

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