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TAS2R38 Protein (Myc-DYKDDDDK Tag)



Image



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Overview			
Quantity:	20 μg		
Target:	TAS2R38		
Origin:	Human		
Source:	HEK-293 Cells		
Protein Type:	Recombinant		
Purification tag / Conjugate:	This TAS2R38 protein is labelled with Myc-DYKDDDDK Tag.		
Application:	Antibody Production (AbP), Standard (STD)		
Product Details			
Characteristics:	 Recombinant human TAS2R38 protein expressed in HEK293 cells. Produced with end-sequenced ORF clone 		
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining		
Target Details			
Target:	TAS2R38		
Alternative Name:	Tas2r38 (TAS2R38 Products)		
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		

Target Details

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).

Molecular Weight: 37.7 kDa

NCBI Accession: NP_789787

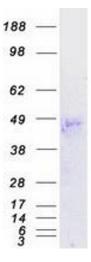
Application Details

Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Images



Western Blotting

Image 1. Validation with Western Blot