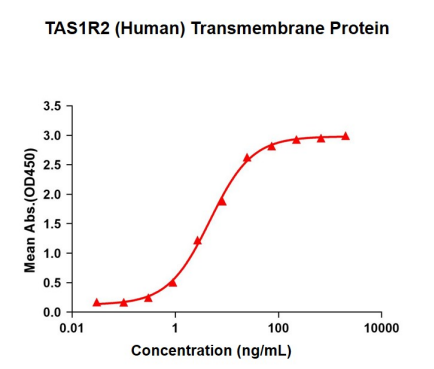
VLP/Nanodisc | Full-Length | HuPro®

TAS1R2 (Human) Recombinant Protein

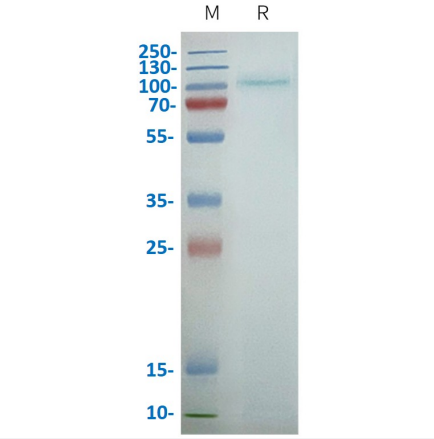
Catalog # P10886 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

ELISA plates were pre-coated with Flag Tag TAS1R2-Nanodisc (0.2 ug/well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before ELISA reading. From above data, the EC_{50} for anti-Flag monoclonal antibody binding with TAS1R2-Nanodisc is 4.703 ng/mL.



SDS-PAGE

Human TAS1R2-Nanodisc, Flag Tag on SDS-PAGE.

Specification

Product Description	Human TAS1R2 (Q8TE23, 1 a.a. - 839 a.a.) full-length recombinant protein-Nanodisc.

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Sequence	MGPRAKTISSLFFLLWVLAEPAENSDFYLPGDYLLGGLFSLHANMKGIVHLNFLQVPMCKEYEVK VIGYNLMQAMRFAVEEINNDSSLLPGVLLGYEIVDVCYISNNVQPVLYFLAHEDNLLPIQEDYSNYIS RVVAVIGPDNSESVMTVANFLSLFLLPQITYSAISDELRDKVRFPALLRTTPSADHHIEAMVQLMLH FRWNWIIVLVSSDTYGRDNGQLLGERVARRDICIAFQETLPTLQPNQNMTSEERQRLVTIVDKLQQ STARVVVVFSPDLTLYHFFNEVLRQNFTGAVWIASESWAIDPVLHNLTELRHLGTFLGITIQSVPIPG FSEFREWGPQAGPPPLSRTSQSYTCNQECDNCLNATLSFNTILRLSGERVVYSVYSAVYAVAHAL HSLLGCDKSTCTKRVVYPWQLLEEIWKVNFTLLDHQIFFDPQGDVALHLEIVQWQWDRSQNPFQ SVASYYPLQRQLKNIQDISWHTINNTIPMSMCSKRCQSGQKKKPVGIHVCCFECIDCLPGTFLNHTE DEYECQACPNNEWSYQSETSCFKRQLVFLEWHEAPTIAVALLAALGFLSTLAILVIFWRHFQTPIV RSAGGPMCFLMLTLLLVAYMVVPVYVGPPKVSTCLCRQALFPLCFTICISCIAVRSFQIVCAFKMA SRFPRAYSYWVRYQGPYVSMAFITVLKMVIVVIGMLATGLSPTTRTDPDDPKITIVSCNPNYRNSLLF NTSLDLLLSVVGFSFAYMGKELPTNYNEAKFITLSMTFYFTSSVSLCTFMSAYSGVLVTIVDLLVTVL NLLAISLGYFGPKCYMILFYPERNTPAYFNSMIQGYTMRRD
Host	Human
Theoretical MW (kDa)	95.2
Reactivity	Human
Form	Lyophilized
Conjugation	Unconjugated
Preparation Method	Mammalian cell (HEK293) expression system
Recommend Usage	ELISA SDS-PAGE
Storage Buffer	Lyophilized from 20 mM Tris-HCl, 150 mM NaCl, pH 8.0 (5% trehalose).
Storage Instruction	Store at -20°C to -80°C for 12 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay

  ELISA plates were pre-coated with Flag Tag TAS1R2-Nanodisc (0.2 ug/well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before ELISA reading. From above data, the EC_{50} for anti-Flag monoclonal antibody binding with TAS1R2-Nanodisc is 4.703 ng/mL.

- SDS-PAGE

  Human TAS1R2-Nanodisc, Flag Tag on SDS-PAGE.

Gene Info — TAS1R2

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Entrez GeneID	80834
Protein Accession#	Q8TE23
Gene Name	TAS1R2
Gene Alias	GPR71, T1R2, TR2
Gene Description	taste receptor, type 1, member 2
Omim ID	606226
Gene Ontology	Hyperlink
Gene Summary	type 1
Other Designations	G protein-coupled receptor 71|OTTHUMP00000002543

Pathway

- Taste transduction

Disease

- Anorexia Nervosa
- Bulimia
- Dental Caries
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Obesity
- Overweight
- Taste

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