PRODUCT INFORMATION

Target	OR2H1
Synonyms	OR2H6; OR2H8; OR6-2; 6M1-16; HS6M1-16; dJ994E9.4; OLFR42A-9004-14; OLFR42A-9004.14/9026.2
Description	Recombinant human OR2H1 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q9GZK4
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	OR2H1(Met1-Arg23) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 28.7 kDa after removal of the signal peptide. The apparent molecular mass of OR2H1-hFc is approximately 25-55 kDa due to glycosylation.
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.
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	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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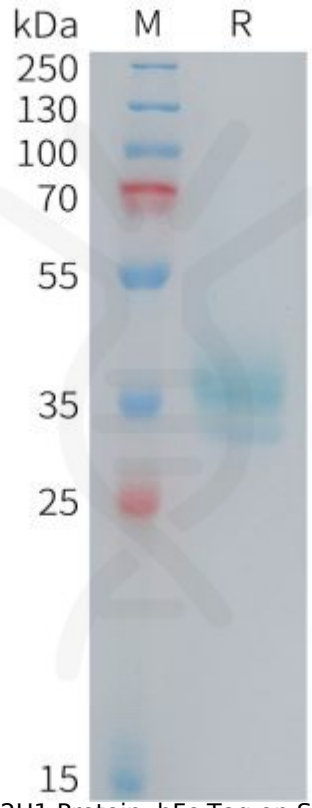

Figure 1. Human OR2H1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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