

## Odorant receptor Protein, *Culex quinquefasciatus* (Cell-Free, His)

Cat. No.:	HY-P702393
Synonyms:	Odorant receptor
Species:	Others
Source:	E. coli Cell-free
Accession:	B0W0I1 (M1-S393)
Gene ID:	6031407
Molecular Weight:	47.3 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> M K F Y E L R E P M   A A V P F I L R V L   R F S G L L G C P R   G L L R F G L S F L G P W L V I G L P K   L I C G F G S D L G   L N V R G Y A E V L   F M C N I D V R M L V F F W H R R K L A   E F V E I V Q R A F   D K V S I L S S D S   S M Y K M I L K S N Q M M D K S A K S Y   V L Y T L G T S G V   F L V L P A L Q S C   G I Y F M N H G N D T V V P K F V T A T   A H E E S G W D V D   E N I V Y Y F I H V   M L I T P M H L L L G L R F A T I D T M   I F C G V R S T I L   L F R L V S A K L E   K L H K F S G S T L R E Q F L D V V N L   H V D A L R C V Q I   L E G I F S F V V M   V Q L V S T V I I W I A M V L C V S N N   P N A N A I N L F V   L L I L I T A Q S Y   I L C R L G T E L T A E S F A V A T S S   Y D C Q W I Q L P A   D I R S G V G R I L   Q R A Q K W E G I T A A H F F Q L D V E   R F G A M V Q T S Y   S I F V I L R E R L   M H S </pre>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	The Odorant receptor protein belongs to the insect chemoreceptor superfamily and is specifically categorized within the
-------------------	---

---

Heteromeric Odorant Receptor Channel (TC 1.A.69) family. This classification underscores its role as a key component in the intricate network of chemoreceptors employed by insects for olfactory perception. As a member of the insect chemoreceptor superfamily, the Odorant receptor is likely integral to the process of detecting and responding to diverse odor stimuli. Further investigation is essential to unravel the specific functions and implications of Odorant receptors within the broader framework of the Heteromeric Odorant Receptor Channel family, shedding light on their significance in the sensory biology of insects.

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA