

Odorant receptor Protein, *Larimichthys crocea* (Cell-Free, His)

Cat. No.:	HY-P702394
Synonyms:	Odorant receptor
Species:	Others
Source:	E. coli Cell-free
Accession:	F2XEX3 (M1-I308)
Gene ID:	/
Molecular Weight:	37.0 kDa

PROPERTIES

AA Sequence	<pre> MMDNVSKLTI FTLSGLHEIA NYRVTLFVLT LLCYCVIWL I NLAIIIVTIIM DKSLHEPMYI FLCNLCLINGL YETAGFYPKF LIDL LSTFHV ISYAGCLLQG FVLHSSACAD FSILVLMAYD RYVAICRPLV YHSVMTTQRV CVFIFFAWLI PLYLVFMSSI TTARSRLCGS HIPKIYCINF LVGKLACTTS IANV IIPAFN YTFYFLHVMF IAWSYMYLIR KCLISSENRS KFMQTCLPHL ICLIIVVVSL LFDLLYMRFG SQTLSQNVKN FMAMEFLLVP PIINPLIYGF KLTQIRNR I I QFLSGKRI </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ 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.
Storage & Stability	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.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	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
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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.

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