

General odorant-binding protein lush (lush) Recombinant Protein | lush recombinant protein

Recombinant Drosophila melanogaster General odorant-binding protein lush (lush)

CATALOG # AAA114456	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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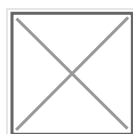
PRODUCT SYNONYMS

General odorant-binding protein lush (lush); Recombinant Drosophila melanogaster General odorant-binding protein lush (lush); General odorant-binding protein lush; lush recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	30-153aa; Full Length of Mature Protein
Sequence	MTMEQFLTSL DMIRSGCAPK FKLKTEDLDR LRVGDFNFPP SQDLMCYTKC VSLMAGTVNK KGEFNAPKAL AQLPHLVPPE MMEMSRKSVE ACRDTHKQFK ESCERVYQTA KCFSENADGQ FMWP
Sequence Length	153
Species	Drosophila melanogaster (Fruit fly)
Production Note	Special Offer: The E. coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E. coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E. coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E. coli host-expressed protein for the fastest delivery among all hosts. Please or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for lush recombinant protein	Odorant-binding protein required for olfactory behavior and for activity of pheromone-sensitive neurons. Binds to alcohols and mediates avoidance behavior to high concentrations of alcohols, the alcohol-binding possibly resulting in activation of receptors on T2B neurons, the activation of these receptors inhibiting these neurons. Acts in concert with Snmp and lush to capture cVA molecules on the surface of Or67d expressing olfactory dendrites and facilitate their transfer to the odorant-receptor Orco complex. Required for cVA response, probably by binding to VA. May act by serving as an adapter that bridges the presence of gaseous pheromone molecules, cVA, to activation of specific neuronal receptors expressed on T1 olfactory neurons, possibly via a specific conformational change induced by cVA that in turn activates T1 receptors. T1 neurons are excited by the pheromone VA, while T2 neurons are inhibited by alcohols. Also binds to phthalates.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	281366436
NCBI GeneID	40136
NCBI Accession #	NP_001163468.1
NCBI GenBank Nucleotide #	NM_001169997.1
UniProt Accession #	O02372; Q29QG4; E1JI39
Molecular Weight	19.2 kDa
NCBI Official Full Name	lush, isoform B
NCBI Official Symbol	lush
NCBI Official Synonym Symbols	76a; 76c; 76c(LUSH); CG8807; DmelObp76a; DmelCG8807; Lush; LUSH; obp76a; Obp76a
NCBI Protein Information	CG8807 gene product from transcript CG8807-RA; CG8807-PA; CG8807-PB; lush; lush-PA; lush-PB
UniProt Protein Name	General odorant-binding protein lush
UniProt Gene Name	lush
UniProt Synonym Gene Names	Obp76a; Obp76c
UniProt Entry Name	OB76A_DROME

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/lush-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/114456>