Epidermal Growth Factor Receptor (EGFR) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	Epidermal growth factor receptor (Egfr), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster Epidermal growth factor receptor (Egfr), partial
Product Gene Name	Egfr recombinant protein
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
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.
Molecular Weight	153,700 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P04412
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Egfr recombinant protein	MBS1254036 is a recombinant protein targeting Egfr. Also known as Recombinant Drosophila melanogaster Epidermal growth factor receptor (Egfr), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Egfr recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Egfr. It may not necessarily be applicable to this product.

NCBI GI #	17136536
NCBI GeneID	37455
NCBI Accession #	NP_476759.1
UniProt Primary Accession #	P04412
UniProt Secondary Accession #	O18370; O61601; P81868; Q9W2G0
GenBank Nucleotide #	NM_057411.4
NCBI Official Full Name	epidermal growth factor receptor, isoform B
NCBI Official Synonym Full Names	Epidermal growth factor receptor
NCBI Official Symbol	Egfr

NCBI Official Synonym Symbols	C-erb; c-erbB; CG10079; D-Egf; d-egf-r; D-EGFR; degfr; dEgfr; dEGFr; dEGFR; Degfr; DEgfr; DEGFR; dEGFR1; der; Der; DER; DER flb; DER/EGFR; DER/top; DER/torpedo; DER1; DmelCG10079; DmHD-33; EC2-4; EFG-R; Egf; Egf-r; EGF-R; egfr; EgfR; EGfr; EGFr; EGFR; EK2
UniProt Protein Name	Epidermal growth factor receptor
UniProt Synonym Protein Names	Drosophila relative of ERBB; Gurken receptor; Protein torpedo
Protein Family	Epidermal growth factor receptor
UniProt Gene Name	Egfr
UniProt Synonym Gene Names	c-erbB; DER; top; Egfr
NCBI Protein Information	CG10079 gene product from transcript CG10079-RA
UniProt Comments for Egfr	Binds to four ligands: Spitz, Gurken, Vein and Argos, which is an antagonist. Transduces the signal through the ras-raf-MAPK pathway. Involved in a myriad of developmental decisions. Critical for the proliferation of imaginal tissues, and for the determination of both the antero-posterior and dorso-ventral polarities of the oocyte. In the embryo, plays a role in the establishment of ventral cell fates, maintenance of amnioserosa and ventral neuroectodermal cells, germ band retraction, cell fate specification in the central nervous system and production of cuticle. Required for embryonic epithelial tissue repair.
Research Articles on Egfr	**1.** Graf functions to downregulate EGFR signaling.
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