Protein Wnt-2 (WNT2) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein Wnt-2 (Wnt2), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster Protein Wnt-2 (Wnt2)
Product Gene Name	Wnt2 recombinant protein
Sequence	FTSVMLCGRI PGLTPGQRNM CREMPDALIA LGEGHQLGAQ ECQHQFRGHR WNCSEVWQRN VFAHVIPTAS REAAYTYAIA SAGAAYAVTA ACARGNISTC GCDVRHKATP TGGGTPDEPW KWGGCSADVD FGMRYARRFM DARELERDSR TLMNLHNNRA GRTLVKKMLR TDCKCHGVSG SCVMKTCWKS LPPFRLVGDR LMLKYQKAKT VQAVKGKRGL RLVLSRKKHA GTARAQKPVL DWPKRMELIY LEASPNYCER SLQTGSQGTS GRTCQRTGHG PQSCDLLCCG RGHNTQHIRR TTQCRCQFRW CCEVKCDECD ESYEEFTCK
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	39,763 Da
Sequence Positions	24-352, Full length protein
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 P28465
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Wnt2 recombinant protein	MBS1256543 is a recombinant protein targeting Wnt2. Also known as Recombinant Drosophila melanogaster Protein Wnt-2 (Wnt2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Wnt2 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 Wnt2. It may not necessarily be applicable to this product.

NCBI GI #	17136628
NCBI GeneID	35975
NCBI Accession #	NP_476810.1
UniProt Primary Accession #	P28465
UniProt Secondary Accession #	Q86PC8; Q9V584
UniProt Related Accession #	P28465

GenBank Nucleotide #	NM_057462.5
NCBI Official Full Name	Wnt oncogene analog 2, isoform A
NCBI Official Synonym Full Names	Wnt oncogene analog 2
NCBI Official Symbol	Wnt2
NCBI Official Synonym Symbols	CG1916; D-wnt-2; Dm DWnt2; Dm-2; DmelCG1916; Dwnt-2; DWnt-2; dWnt2; Dwnt2; DWnt2; Wnt; wnt-2; Wnt-2; wnt2
UniProt Protein Name	Protein Wnt-2
UniProt Synonym Protein Names	dWnt-2
UniProt Gene Name	Wnt2
UniProt Synonym Gene Names	Wnt-2
NCBI Protein Information	CG1916 gene product from transcript CG1916-RA
UniProt Comments for Wnt2	Binds as a ligand to a family of frizzled seven-transmembrane receptors and acts through a cascade of genes on the nucleus. Segment polarity protein. May function in gonadogenesis and limb development. Wg and Wnt2 have a role in the developing trachea and together are responsible for all dorsal trunk formation.
Research Articles on Wnt2	**1.** We discovered an otk paralog (otk2, CG8964), which is co-expressed with otk throughout embryonic and larval development. Otk and Otk2 bind to each other and form complexes with Frizzled, Frizzled2 and Wnt2, pointing to a function as Wnt co-receptors.
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