

Product datasheet for TP524986

Gucy2e (NM_008192) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse guanylate cyclase 2e (Gucy2e), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224986 representing NM_008192 Red =Cloning site Green =Tags(s)

MSAWLLPAGGLPGAGFCVPARQSPSSFSRVLRWPRPGLPGLLLLLLLPSPSALS AVFKVGLGPWACDPI
FARARPDLAARLAANRLNRDFALDGGPRFEVALLPEPCLTPGSLGAVSSALSRVSGLVGPVNPAACRP AE
LLAQEAGVALVPWGCPCGTRAAGTTAPAVTPAADALYVLLRAFRWARVALITAPQDLWVEAGRALSTALRA
RGLPVALVTSMETSDRSGAREALGRIRDGPRVRWIMVMHVSLLGGEEQRYLLEAAEELALTDGSLVFLP
FDLHYALSPGPEALAAFNSSQLRRAHDAVLTLRRCPPGGSVQDSLRR AQEHQELPLDLNLKQVSPLF
GTIYDAVFLLAGGVKRARTAVGGGWVSGASVARQVREAQVSGFCVLRTEEPSFVLLD TDASGEQLFAT
HLLDPVLGSLRSAGTPMHFPRGGPAPGPDPCWFDPDVICNGGVEPGLV FVGFLLVIGMGLTGAF LAHYL
RHRLHMQMASGPNKIILTLEDVTLHPPGGSSRKVVQGSRSSLATRSASDIRSVSPQPQESTNVGLYEG
DWWWLKKFPGEHHMAIRPATKTAFSKLRELHENV ALYLGLFLAGTADSPATPGEGILAVVSEHCARGSL
HDLLAQREIKLDWMFKSSLLDLIKMRYLHHRGVAHGRLKSRNCVVDGRFV LKVTDHGHGRLL EAQRVL
PEPPSAEDQLWTAPELLRDPSSLERRGTLAGDVFSLAIIMQEVVCRSTPYAMLELTP EEVIQVRVSPPLC
RPLVSMDQAPMECIQLMTQCWAEHPELRPSMDLTFDLFKSINKGRKTN IIDSMLRMLEQYSSNLEDLIRE
RTEELEQEKQKTDRLLTQMLPPSVAEALKMGT SVEPEYFEEVTLYFSDIVGFTTISAMSEPIEVDLLND
LYTLFDAIIGAHDVYK VETIGDAYMVASGLPQRNGQRHAAEIANMSLDILS AVGFSFRMRHMPEVPVRIRI
GLHSGPCVAGVVGLTMPRYCLFGDTVNTASRMESTGLPYRIHVNMSTVRILRALDQGFQMECRGRTELKG
KGIEDTYWLVGRLGFNKPIKPPDLQPGASNHGISLQEIPERRKKLEKARPGQFTGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	121.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_032218
Locus ID:	14919
UniProt ID:	P52785
RefSeq Size:	8331
Cytogenetics:	11 42.51 cM
RefSeq ORF:	3324
Synonyms:	GC-E; GC1; ROS-GC1
Summary:	Catalyzes the synthesis of cyclic GMP (cGMP) in rods and cones of photoreceptors. Plays an essential role in phototransduction, by mediating cGMP replenishment (PubMed:21598940). May also participate in the trafficking of membrane-associated proteins to the photoreceptor outer segment membrane (PubMed:17255100).[UniProtKB/Swiss-Prot Function]