

Product datasheet for MR213605

Mgst2 (NM_174995) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mgst2 (NM_174995) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mgst2
Synonyms: GST2; MGST-II
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR213605 representing NM_174995
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGGGATTCAAGCCTGCTGGCTGCAGTCTCTTCTCTCTGCCTGTCAGCAAAGTATTTTCGCTT
GGCGGGTCGGACGAGCAAGACTAAAACACAAGATTGCACCCCCAGCAGTCACGGGCCCTCTGGAATTCGA
GAGAATATTTCTGCACAGCAAACCTTTGGAGTTTTATCCTGTATTCATCGTAATGCTGTGGATGGCT
GGGTGGTACTTCAATCAAGTTTTGCAGCCTGTCTGGGTCTCCTGTACATACGCCCGTACAAGTATT
TCTGGGGCTATGCCGAAGCCGCTGAGAAAAGGATCACCGGTTCCGACTGAGCCTGGGGATTTGACCTT
GCTGCCTGTCTCGCTGTCTGGGGTAGCAAGCAGATTCCTGAACGAATACCTGGACTTTCATGTTGCC
AAGAAACTGAGGAAGCCCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR213605 representing NM_174995
Red=Cloning site Green=Tags(s)

MAGDSSLLAAVSVLLSACQSYFAWRVGRARLKHKIAPPAVTGPLEFERIFRAQQNSLEFYPVIVMLWMA
GWYFNQVFAACLGLLYIYARHKYFWGYAEAAEKRITGFRLSLGILTLPLVAVLGVASRFLNEYLDHFVA
KKLRKPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9053_e12.zip



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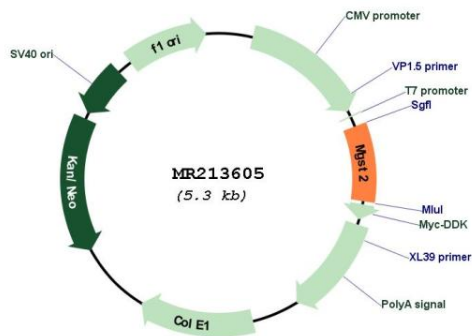
UniProt ID: [A2RST1](#)

Cytogenetics: 3 C

MW: 16.8 kDa

Gene Summary: Catalyzes several different glutathione-dependent reactions. Catalyzes the glutathione-dependent reduction of lipid hydroperoxides, such as 5-HPETE. Has glutathione transferase activity, toward xenobiotic electrophiles, such as 1-chloro-2, 4-dinitrobenzene (CDNB). Catalyzes also the conjugation of leukotriene A4 with reduced glutathione to form leukotriene C4 (LTC4) (By similarity). Involved in oxidative DNA damage induced by ER stress and anticancer agents by activating LTC4 biosynthetic machinery in nonimmune cells (PubMed:26656251).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR213605