Full-Length

MAGEL2 (Human) Recombinant Protein (P01)

Catalog # H00054551-P01 Size 50 ug

Specification

Product Description	Human MAGEL2 full-length ORF (AAI67825.1, 1 a.a. - 646 a.a.) recombinant protein with GST-tag a t N-terminal.
Sequence	MEFQEVQQTQALAWQAQKAPTHIWQPLPAQEAQRQAPPLVQLEQPFQGAPPSQKAVQIQLPPQ QAQASGPQAEVPTLPLQPSWQAPPAVLQAQPGPPVAAANFPLGSAKSLMTPSGECRASSIDRR GSSKERRTSSKERRAPSKDRMIFAATFCAPKAVSAARAHLPAAWKNLPATPETFAPSSSVFPAT SQFQPASLNAFKGPSAASETPKSLPYALQDPFACVEALPAVPWVPQPNMNASKASQAVPTFLM ATAAAPQATATTQEASKTSVEPPRRSGKATRKKKHLEAQEDSRGHTLAFHDWQGPRPWENLNL SDWEVQSPIQVSGDWEHPNTPRGLSGWEGPSTSRILSGWEGPSASWALSAWEGPSTSRALGL SESPGSSLPVVVSEVASVSPGSSATQDNSKVEAQPLSPLDERANALVQFLLVKDQAKVPVQRS EMVKVILREYKDECLDIINRANNKLECAFGYQLKEIDTKNHAYIIINKLGYHTGNLVASYLDRPKFGLL MVVLSLIFMKGNCVREDLIFNFLFKLGLDVRETNGLFGNTKKLITEVFVRQKYLEYRRIPYTEPAEYE FLWGPRAFLETSKMLVLRFLAKLHKKDPQSWPFHYLEALAECEWEDTDEDEPDTGDSAHGPTS RPPPR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	71.1
Interspecies Antigen Sequence	Mouse (62); Rat (61)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MAGEL2

Entrez GeneID	54551
GeneBank Accession#	BC167825.1
Protein Accession#	AAI67825.1
Gene Name	MAGEL2
Gene Alias	NDNL1, nM15
Gene Description	MAGE-like 2
Omim ID	605283
Gene Ontology	Hyperlink
Gene Summary	Prader-Willi syndrome (PWS) is caused by the loss of expression of imprinted genes in chromos ome 15q11-q13. Affected individuals exhibit neonatal hypotonia, developmental delay, and childh ood-onset obesity. Necdin (NDN), a gene involved in the terminal differentiation of neurons, localiz es to this region of the genome and has been implicated as one of the genes responsible for the etiology of PWS. This gene is structurally similar to NDN, is also localized to the PWS chromoso mal region, and is paternally imprinted, suggesting a possible role for it in PWS. [provided by Ref Seq
Other Designations	MAGE-like protein 2

Disease

- Genetic Predisposition to Disease
- Mood Disorders
- Schizophrenia