

Product datasheet for PH319273

MEST (NM_177525) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MEST MS Standard C13 and N15-labeled recombinant protein (NP_803491)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219273
Predicted MW:	37.4 kDa
Protein Sequence:	>RC219273 representing NM_177525 Red=Cloning site Green=Tags(s)

MREWWVQVGLLAVPLLAAYLHIPPQLSPALHSWKSSGKFFTYKGLRIFYQDSVGVVGSPEIVVLLHGFP
TSSYDWYKIWEGLTLRFHRVIALDFLGFSDKPRPHYSIFEQASIVEALLRHLGLQNRRLNLLSHDYG
DIVAQELLYRYKQNRSGRLTIKSLCLSNGGIFPETHRPLLLQKLLKGGVLSPIILTRLMNFFVFSRGLTP
VFGPYTRPSESELWDMWAGIRNNDGNLVIDSLLQYINQRKKFRRRWVWALASVTIPIHFYIGPLDPVNPY
PEFLELYRKTLPSTVSIILDDHISHYPQLEDPMGFLNAYMGFINSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_803491</u>
RefSeq Size:	2419
RefSeq ORF:	978
Synonyms:	PEG1
Locus ID:	4232



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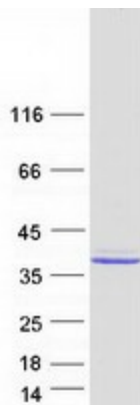
UniProt ID: [Q5EB52](#), [A4D1L9](#)

Cytogenetics: 7q32.2

Summary: This gene encodes a member of the alpha/beta hydrolase superfamily. It is imprinted, exhibiting preferential expression from the paternal allele in fetal tissues, and isoform-specific imprinting in lymphocytes. The loss of imprinting of this gene has been linked to certain types of cancer and may be due to promotor switching. The encoded protein may play a role in development. Alternatively spliced transcript variants encoding multiple isoforms have been identified for this gene. Pseudogenes of this gene are located on the short arm of chromosomes 3 and 4, and the long arm of chromosomes 6 and 15. [provided by RefSeq, Dec 2011]

Protein Families: Protease, Transmembrane

Product images:



Coomassie blue staining of purified MEST protein (Cat# [TP319273]). The protein was produced from HEK293T cells transfected with MEST cDNA clone (Cat# [RC219273]) using MegaTran 2.0 (Cat# [TT210002]).