

Product datasheet for PH312766

BRME1 (NM_024323) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C19orf57 MS Standard C13 and N15-labeled recombinant protein (NP_077299)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212766
Predicted MW:	66.2 kDa
Protein Sequence:	>RC212766 protein sequence Red =Cloning site Green =Tags(s)

MTKRKKLRTSGEGLCPPKPLKNPRLGDFYGDQPQSSMLGCLHHPEEPEGKLGVPVSTQQHGEEPGKAVSSS
 PDEETGSPCRLLRQPEKEPAPLPPSQNSFGRFVPOFAKSRKTVTRKEEMKDEDRGSGAFSLETIAESSAQ
 SPGCQLLVETLGVPLQEATELGDPQTQADSARPEQSSQSPVQAVPGSGDSQPDDPPDRGTGLSASQRASQD
 HLSEQGADDSKPETDRVPGDGGQKEHLPSIDSEGEKPDRGAPQEGGAQRTAGAGLPGGPQEEGDGVPCTP
 ASAPTSGPAPGLGPASWCLEPGSVAQGSPPDPQQTPSRMGREGEGTHSSLCSSLMVVIADLSTDPTLELE
 ERALEVAGPDGQASAI SPASPRRKAADGGHRRALPGCTSLTGETTGESGEAGQDGKPPGDVLVGPTASLA
 LAPGSGESMMGAGDSGHASPDTPGCVNQKQEPGPAQEEAELGGQNLERDLEGFRVSPQASVVLEHREIAD
 EPLQEPGAQQGIPDTTSELAQRDHLPHSADQGTWADSLAVELDFLLDSQIQDALDASDFEAPPEQLFPS
 GNKPGPCWPGPSSHANGDPVAVAKAQPSRLIMGTHRDLEAFKRLNYRKTKLGGKAPLPYPSKGPNGNIPRG
 DPPWREL

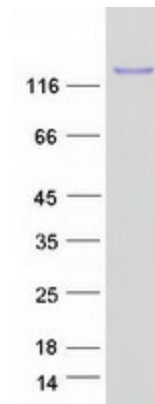
TRTRPLEEQKLISEEDLAANDILDYKDDDDKV

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:	NP_077299
RefSeq Size:	2420


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RefSeq ORF:	1911
Synonyms:	C19orf57; MEIOK21
Locus ID:	79173
UniProt ID:	Q0VDD7
Cytogenetics:	19p13.12
Summary:	Meiotic recombination factor component of recombination bridges involved in meiotic double-strand break repair. Modulates the localization of recombinases DMC1:RAD51 to meiotic double-strand break (DSB) sites through the interaction with and stabilization of the BRCA2:HSF2BP complex during meiotic recombination. Indispensable for the DSB repair, homologous synapsis, and crossover formation that are needed for progression past metaphase I, is essential for spermatogenesis and male fertility.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified C19orf57 protein (Cat# [TP312766]). The protein was produced from HEK293T cells transfected with C19orf57 cDNA clone (Cat# [RC212766]) using MegaTran 2.0 (Cat# [TT210002]).