

Product datasheet for PH315546

PLEKHM1 (NM_014798) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PLEKHM1 MS Standard C13 and N15-labeled recombinant protein (NP_055613)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215546
Predicted MW:	117.4 kDa
Protein Sequence:	>RC215546 protein sequence Red=Cloning site Green=Tags(s)

MLSVVENGLDPQAAIPVIKKKLVGSVKALQKQYVSLDVTVTSSEGDANTMCSALEAVFIHGLHAKHIRAE
 AGGKRKKSAAHQKPLPQPVFVPLLKAVTHKHIISELEHLTFVNTDVGRCAWLRLALNDGLMECYLKLKLLQ
 EQARLHEYQPTALLRDAEEGEFLLSFLQGLTSLSFELSYKSAILNEWTLTPLALSGLCPLSELDPLSTS
 GAELQRKESLDSISHSSGSEDIHVHSHGHKIRRQKLTASSLSLDTASSSQLSCSLNSDSCLLQENGSKS
 PDHCEEPMSCDSLGTANAEDSDRSLQEVLLFESKAQVNSVPTNGLSQETEIPTPQASLSLHGLNTSTYL
 HCEAPAEPLPAQAASGTQDGVHVQEPQPAPSPDLQQPVESTSGQQPSSTVSETAREVQGNGLQKAQA
 HDGAGLKLVVSSPTSPKNKSWISEDIFYRPSREQPLESASDHPIASYRGTPGSRPGLHRHFQEPKNCNS
 LGALDQACVPSGRRQAQAAPSQGHKSFVRRVHRRQMGLSNPFRGLMKLGTVERRGAMGIWKELFCELSPL
 EFRLYLSNEEHTCVENCSSLRCEVSGPAHSDGRFELVFSGKLLALRASSQDEAEDWLDVREALQKVRPQ
 QEDEWVNVQYDPQPEEPPEAPQGCSPSDLLSEPAALQGTQFDWSSAQVPEPDAIKESLLYLMDRTWMP
 YIFSLSLEALKCFRIRNNEKMLSDSHGVETIRDILPDTSLGGPSFFKIITAKAVLKLQAGNAEEAALWRD
 LVRKVLASYLETAAEAVTLGGSLDENCQEVLFKATRENGFLLQYLVAIPMEKGLDSQGCFCAGCSRQIGF
 SFVVRPKLCAFSGLYYCDICHQDDASVIPARIHNNWDLTKRPICRQALKFLTQIRAQPLINLQMVNASLYE
 HVERMHLIGRRREQLKLLGDYGLCRSGALKKELSKRLNHRNYLLESPHRFSVADLQQIADGVYEGFLKAL
 IEFASQHVYHCDLCTQRGFIQICQHHDIIFFPEFDTTVRCAECKTVFHQSCQAVVKKGCPCARRRKYQ
 EQNIFA

SGPTRRTRPLEQKLISEEDLAANDILDYKDDDDKV

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



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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_055613
RefSeq Size:	5313
RefSeq ORF:	3168
Synonyms:	AP162; B2; OPTA3; OPTB6
Locus ID:	9842
UniProt ID:	Q9Y4G2
Cytogenetics:	17q21.31
Summary:	The protein encoded by this gene is essential for bone resorption, and may play a critical role in vesicular transport in the osteoclast. Mutations in this gene are associated with autosomal recessive osteopetrosis type 6 (OPTB6). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2009]

Product images:



Coomassie blue staining of purified PLEKHM1 protein (Cat# [TP315546]). The protein was produced from HEK293T cells transfected with PLEKHM1 cDNA clone (Cat# [RC215546]) using MegaTran 2.0 (Cat# [TT210002]).