

## Product datasheet for PH303596

### Prolyl Endopeptidase (PREP) (NM\_002726) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PREP MS Standard C13 and N15-labeled recombinant protein (NP_002717)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203596
Predicted MW:	80.7 kDa
Protein Sequence:	>RC203596 protein sequence Red=Cloning site Green=Tags(s)

MLSLQYPDVYRDETAVQDYHGHKICDPYAWLEDPDSEQTKAFVEAQNKITVPFLEQCPIRGLYKERMTEL  
YDYPKYSCHFKKGKRYFYFYNTGLQNQRVLYVQDSLEGEARVFLDPNILLSDDGTVALRGYAFSEDGEYFA  
YGLSASGSDWVTIKFMKVDGAKELPDVLERVKFSCMAWTHDGKGMFYNSYPQQDGKSDGTETSTNLHQKL  
YYHVLGTDQSEDILCAEFPDEPKWMGGAELSDDGRYVLLSIREGCDPVNRLWYCDLQQESSGIAGILKMW  
KLIDNFEGEYDYVTNEGTVFTFKTNRQSPNYRVINIDFRDPEESKWKVLVPEHEKDVLEWIACVRSNFLV  
LCYLHDVKNILQLHDLTTGALLKTFPLDVGSIVGYSGQKKDTEIFYQFTSFLSPGIIYHCDLTKEELEPR  
VFREVTVKGIDASDYQTVQIFYPKSDGTKIPMFI VHKKGIKLDGSHPAFLYGGFNISITPNYSVSRLLI  
FVRHMGGILAVANIRGGGEYGETWHKGGILANKQNCDFDQCAAAYL IKEYTSPKRLTINGGSSNGLLV  
AACANQRPDLFGCVIAQGVMDMLKFHKYTI GHAWTTDYGCSDSKQHFELVKYSPLHNKVLPEADDIQY  
PSMLLLTADHDDRVPPLHSLKFIATLQYIVGRSRKQSNPLLIHVDTKAGHGAGKPTAKVIEEVSDMFAFI  
ARCLNVDWIP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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><a href="#">NP_002717</a></u>



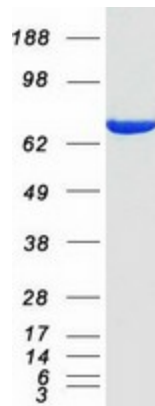
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RefSeq Size:	2943
RefSeq ORF:	2130
Synonyms:	PE; PEP
Locus ID:	5550
UniProt ID:	<a href="#">P48147</a> , <a href="#">B2RAH7</a>
Cytogenetics:	6q21

**Summary:** The protein encoded by this gene is a cytosolic prolyl endopeptidase that cleaves peptide bonds on the C-terminal side of prolyl residues within peptides that are up to approximately 30 amino acids long. Prolyl endopeptidases have been reported to be involved in the maturation and degradation of peptide hormones and neuropeptides. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Protease

### Product images:



Coomassie blue staining of purified PREP protein (Cat# [TP303596]). The protein was produced from HEK293T cells transfected with PREP cDNA clone (Cat# [RC203596]) using MegaTran 2.0 (Cat# [TT210002]).