

OriGene Technologies, Inc.

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Product datasheet for PH320385

PSMA4 (NM_001102667) Human Mass Spec Standard

Product data:

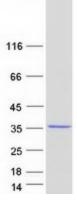
Description:PMA4 MS Standard C13 and N15-labeled recombinant protein (NP_001096137)Species:HumanExpression Host:HEK293Expression CDNA ClossRe20385or AA Sequence:Re20385Predicted MW:9.5 kDaPretein Sequence:Red-Closing site Green=Tags(s)Red-Closing site Green=Tags(s)Strenger Strenger S	Product Type:	Mass Spec Standards
Expression Host:HEK293Expression cDNA CloneRC220385Predicted MW:9.5 kDaProtein Sequence:RC220385 protein sequence Red=Cloning site Green=Tags(s)RKRVDSRTTIFSPEGRLYQVEVMAAIGHAGTCLGILANDGVLLAAERRNIHKLLDEVFFSEKTYKLNE RkrVGPQLYQSDPSGNYGGWAATCIGNNSAAAVSMLKQDYKEGEMTLKSALALAIKVLNKTMDVSKLSAEK VEIATLTRENGKTVIEVLKQKEVEQLIKKHEEEEAKAEREKKEKQKEKDKTag:CMGX/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodIstergence:Storage:Storage:Storage:Storage:Storage:MRSPNDATIFSPCRLYDE TagsStorage:Storage:Net of 3 months from receipt of products under proper storage and handling conditionsRefSeq NE:NE O01096137RefSeq NE:NE O01096137RefSeq NE:SigStorage	Description:	PSMA4 MS Standard C13 and N15-labeled recombinant protein (NP_001096137)
Expression cDNA CloomRC220385Predicted MW:9.5 kDaProtein Sequence: Red=Cloning site Green=Tags(s)MRSRYDSRTTIFSPEGRLYQVEYAMEAIGHAGTCLGILANDGYLLAAERRNIHKLLDEVFFSEKIYKLNE DMACSVAGITSDANVLTNELRLIAQRYLLQYQEPIPCCQLYTALCAIKQNEYGFGKPFGYSLLYIGWD KHYGFG/LYSDSDSWYGWCATGTGNKOAYGPGKRYEGVSLAAIKVLNKTMDVSKLSAEK VEIATLTRENGKTVIRVLKQKEVEQLIKKHEEEEAXAEREKKEKEQKEKDKTag:C-Myc/DDKFurleQcLISEEDLAANDILDYKDDDDKVTag:0.50 µg/µL as determined by SDS-PAGE and Coomassie blue stainingConcentration:3.005 µg/µL as determined by microplate BCA methodLabeling Method:1.20eld with [U-13C6, 15N4]-LArgnine and [U-13C6, 15N2]-L-LysineBuffer:0.50 µg/µL as determined by microplate BCA methodStorage:0.50 µg/µL as determined by microplate BCA methodStorage:1.50 moths from receipt of products under proper storage and handling conditionsRefSeq RR:1.59RefSeq ORF:7.83Storage:1.59Storage:1.59Storage:585Storage:585Storage:585 <td>Species:</td> <td>Human</td>	Species:	Human
or AA Sequence:Predicted MW:29.5 kDaProtein Sequence: Red=Cloning site Green=Tags(s)Protein Sequence: Red=Cloning site Green=Tags(s)WRSRYDSRTTIFSPEGRLYQVEYAMEAIGHAGTCLGILANDGVLLAAERRNIHKLLDEVFFSEKIYKLNE: DMACSVAGITSDANVLTNELRLAQRYLLQYQEPIPCEQLYTALCDIKQATTOFGGKRPFGVSLLYIGWD KHYGFQLYSDSDGWKGGKATTGINSVAAUSMLKQDVEREGHTLKSALALIXVLNKTMDVSKLSAEK VEIATLTRENGKTVIRVLKQKEVEQLIKKHEEEEAXAEREKKEKEQKEKDKTag:C-Myc/DDKTag:C-Myc/DDKYourity:380% as determined by SDS-PAGE and Coomassie blue stainingConcentration:30.5 µg/µL as determined by microplate BCA methodBuffer:0.50 µg/µL as determined by microplate BCA methodBuffer:0.50 µg/µL as determined by microplate BCA methodStorage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Store at -80°C. Avoid repeated freeze-thaw cycles.RefSeq Size:1159RefSeq ORF:783Storage:1159RefSeq ORF:685Storage:685	Expression Host:	HEK293
Protein Sequence:Re220385 protein sequence Red=Cloning site Green=Tags(s)MSRRYDSRTTIFSPEGRLYQVEYAMEAIGHAGTCLGILANDGVLLAAERRNIHKLLDEVFFSEKIYKLNE DMACSVAGITSDANVLTNELRLIAQRYLLQYGEPIPCEQUTALCDIKQATTQFGGRRPFGVSLLYIGWD KHYGFQLYQSDPSGNYGGWKATCIGNNSAAAVSMLKQDYKEGEMTLKSALALAIKVLNKTMDVSKLSAEK VEIATLTRENGKTVIRVLQKEVEQLIKKHEEEEAKAEREKKEKEQKEKDKTag:C-Mgc/DDKTag:S40% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:S10m Aris-HCI, 100 mM glycine, pH 7.3Storage:S10m Aris-HCI, 100 mM glycine, pH 7.3Storage:S10e for 3 months from receipt of products under proper storage and handling conditions.RefSeq NF:159RefSeq ORF:783Stongers:159Storage:159Storage:159Storage:159Storage:638Storage:638Storage:638Storage:159Storage:159Storage:638Storage:638Storage:638Storage:638Storage:638Storage:638Storage:638Storage:638Storage:638Storage:638Storage:638Storage:638Storage:638Storage:638Storage:638Storage:638Storage	•	RC220385
Red=Cloning site Green=Tags(s)MSRRVDSRTTIFSPEGRLYQVEYAMEAIGHAGTCLGILANDGVLLAAERRNIHKLLDEVFFSEKIYKLNE DMACSVAGITSDANVLTNELRLIAQRYLLQYQEPIPCEQLVTALCDIKQAYTQFGGKRPFGVSLLYIGWD KHYGFQLYQSDPSGNYGGWKATCIGNNSAAAVSMLKQDYKEGEMTLKSALALAIKVLNKTMDVSKLSAEK VEIATLTRENGKTVIRVLKQKEVEQLIKKHEEEEAKAEREKKEKEQKEKDKTag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 Size:1159RefSeq ORF:783Synonyms:HC9; HsT17706; PSC9Locus ID:5685	Predicted MW:	29.5 kDa
DMACSVAGITSDANVLTNELRLAQRYLLQYQEPIPCEQLVTALCDIKQAYTQFGGKRPFGVSLLYIGWD KHYGFQLYQSDPSGNYGGWKATCIGNNSAAAYSMLKQDYKEGEMTLKSALALAIKVLNKTMDVSKLSAEK VEIATTRENGKTVIRVLKQKEVEQLIKKHEEEAKAEREKKEKEQKEKDKTag:TRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPurity:S0% as determined by SDS-PAGE and Coomassie blue stainingConcentration:Jobled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:S1mM Tris-HCI, 100 mM glycine, pH 7.3Storage: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 Size:1159RefSeq ORF:383Storage:109 HS117706; PSC9Storage:636	Protein Sequence:	
Tag:C-Myc/DKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 Size:1159RefSeq ORF:783Storage:109; HST17706; PSC9Locus ID:685		DMACSVAGITSDANVLTNELRLIAQRYLLQYQEPIPCEQLVTALCDIKQAYTQFGGKRPFGVSLLYIGWD KHYGFQLYQSDPSGNYGGWKATCIGNNSAAAVSMLKQDYKEGEMTLKSALALAIKVLNKTMDVSKLSAEK
Purity:> 80% as determined by SDS-PAGE and Coomassie blue stainingPourity:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 001096137RefSeq ORF:783Synonyms:HC9; HsT17706; PSC9Locus ID:S685		TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Concentration:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 001096137RefSeq Size:1159RefSeq ORF:783Synonyms:HC9; HsT17706; PSC9Locus ID:5685	Tag:	C-Myc/DDK
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Buffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 001096137RefSeq Size:1159RefSeq ORF:783Synonyms:HC9; HsT17706; PSC9Locus ID:5685	Concentration:	>0.05 μg/μL as determined by microplate BCA method
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Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 001096137RefSeq Size:1159RefSeq ORF:783Synonyms:HC9; HsT17706; PSC9Locus ID:5685	Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
RefSeq: NP 001096137 RefSeq Size: 1159 RefSeq ORF: 783 Synonyms: HC9; HsT17706; PSC9 Locus ID: 5685	Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
RefSeq Size: 1159 RefSeq ORF: 783 Synonyms: HC9; HsT17706; PSC9 Locus ID: 5685	Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq ORF: 783 Synonyms: HC9; HsT17706; PSC9 Locus ID: 5685	RefSeq:	<u>NP 001096137</u>
Synonyms: HC9; HsT17706; PSC9 Locus ID: 5685	RefSeq Size:	1159
Locus ID: 5685	RefSeq ORF:	783
	Synonyms:	HC9; HsT17706; PSC9
UniProt ID: P25789	Locus ID:	5685
	UniProt ID:	<u>P25789</u>



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	PSMA4 (NM_001102667) Human Mass Spec Standard – PH320385
Cytogenetics:	15q25.1
Summary:	This gene encodes a core alpha subunit of the 20S proteosome, which is a highly ordered ring-shaped structure composed of four rings of 28 non-identical subunits. Proteasomes cleave peptides in an ATP- and ubiquitin-dependent manner. [provided by RefSeq, Aug 2016]
Protein Families:	Druggable Genome, Protease
Protein Pathway	s: Proteasome

Product images:



Coomassie blue staining of purified PSMA4 protein (Cat# [TP320385]). The protein was produced from HEK293T cells transfected with PSMA4 cDNA clone (Cat# [RC220385]) using MegaTran 2.0 (Cat# [TT210002]).

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