

# Product datasheet for TP302773M

## PSP (REG1A) (NM\_002909) Human Recombinant Protein

### **Product data:**

Description:Recombinant protein of human regenerating islet-derived 1 alpha (REG1A), 100 µgSpecies:HumanExpression Host:HEX293TExpression cDNA Closs or AA Sequence:Red=C02773 protein sequence Red=Cloning site Green=Tags(s)MAQTSSYFMLISCLMFLSQSQGQEAQTELPQARISCPEGTNAYRSYCYYFNEDRETWVDADLYCQNMNSG NLVSVLTQAEGAFVASLIKESGTDDFNVWIGLHDPKKNRRWHWSSGSLVSYKSWGIGAPSSVNPGYCVSL TSGFGRWKDVPCEDKFSFVCKFKNTag:CMAC/DDKPredicted MW:16.2 kDaOncentration:9.05 µg/µL as determined by microplate BCA methodPurity:Som a determined by SDS-PAGE and Coomassie blue stainingBuffer:Corosinator protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stable for 12 months from the date of receipt of the product under proper storage and anding conditions. Avoid repeated freeze-thaw cycles.Refsen:MP02900Locus ID:905451_A8K7G6UniProt ID:9015	Product Type:	Recombinant Proteins
Expression Host:HEK293TExpression CDNA ClossReC202773 protein sequence Red=Cloning site Green=Tags(s)Red=Cloning site Green=Tags(s)MAQTSSYFMLISCLMFLSQSQGEAQTELPQARISCPEGTNAYRSYCYFNEDRETWVDADLYCQNMNSG NLVSVLTQAEGAFVASLIKESGTDDFNVWIGLHDPKKNRRWHWSSGSLVSYKSWGIGAPSSVNPGYCVSL TSSTGFQKWKDVPCEDKFSFVCKFKNTag:CMyc/DE CAMyc/DEPredicted MW:6.2 kDaConcentration:0.05 µg/µL as determined by microplate BCA methodPurity:S0% as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.5 µg/µL as determined by SDS-PAGE and Coomassie blue stainingPreparation:Soft and tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolPreparation:For testing in cell culture applications, please filter before use. Note that you may experience chromatography steps.Storage:Soft act +80°C.Storage:Stable for 12 months from the date of receipt of the product under proper storage and handing conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP.002900Locus ID:9567UniProt ID:D5451, A8K7G6	Description:	Recombinant protein of human regenerating islet-derived 1 alpha (REG1A), 100 $\mu g$
Argession cDNA CloomRe2020773 protein sequence Red=Cloning site Green=Tags(s)MAQTSSYFMLISCLMFLSQSQGQEAQTELPQARISCPEGTNAYRSYCYYFNEDRETWVDADLYCQNMNSG NLVSVLTQAEGAFVASLIKESGTDDFNVWIGLHDPKKNRRWHWSSGSLVSYKSWGIGAPSSVNPGCVSL TSSTGFQKWKDVPCEDKFSFVCKFKNTRRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPredicted MW:16.2 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.05 µg/µL as determined by SDS-PAGE and Coomassie blue stainingPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Sor exting in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stora 4.80°C.RefSeq:M. 202900Icous ID:905431_A8K7G6	Species:	Human
or AA Sequence:Red=Cloning site Green=Tags(s)WAQTSSYFMLISCLMFLSQSQGQEAQTELPQARISCPEGTNAYRSYCYYFNEDRETWVDADLYCQNMNSG NLVSVLTQAEGAFVASLIKESGTDDFNVWIGLHDPKKNRRWHWSSGSLVSYKSWGIGAPSSVNPGYCVSL TSSTGFQKWKDVPCEDKFSFVCKFKNTag:TRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPredicted MW:16.2 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.05 µg/µL as determined by Microplate BCA methodPreparation:Sc mM Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolRreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Sor testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Store at -80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handing conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP.002900Locus ID:5057Miphrot ID:P05451,A8K7G6	Expression Host:	HEK293T
MAQTSSYFMLISCLMFLSQSQGQEAQTELPQARISCPEGTNAYRSYCYYFNEDRETWVDADLYCQNMNSG NLVSVLTQAEGAFVASLIKESGTDDFNVWIGLHDPKKNRRWHWSSGSLVSYKSWGIGAPSSVNPGYCVSL TSSTGFQKWKDVPCEDKFSFVCKFKNTRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPredicted MW:16.2 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stora at 80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 002900Locus ID:965451,A8K7G6	Expression cDNA Clone	
NLVŠVLTQAEGAFVASLIKĖSGTDDFNVWIGLHDPKKNRRWHWSSGSLVSYKSWGIGAPSSVNPGYCVSL TSSTGFQKWKDVPCEDKFSFVCKFKNTag:TRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPredicted MW:16.2 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.5 mM Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Sor et sting in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Store at -80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 002900Locus ID:5967UniProt ID:P05451, A8K7G6	or AA Sequence:	Red=Cloning site Green=Tags(s)
Tag:C-Myc/DDKPredicted MW:16.2 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Store at -80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handing conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 002900Locus ID:5967UniProt ID:Po5451,A8K7G6		NLVSVLTQAEGAFVASLIKESGTDDFNVWIGLHDPKKNRRWHWSSGSLVSYKSWGIGAPSSVNPGYCVSL
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handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 002900Locus ID:5967UniProt ID:P05451, A8K7G6	Storage:	Store at -80°C.
Locus ID: 5967   UniProt ID: P05451, A8K7G6	Stability:	
UniProt ID: <u>P05451, A8K7G6</u>	RefSeq:	<u>NP 002900</u>
	Locus ID:	5967
RefSea Size: 821	UniProt ID:	<u>P05451, A8K7G6</u>
	RefSeq Size:	821



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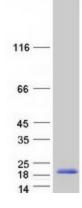
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#### OriGene Technologies, Inc.

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	PSP (REG1A) (NM_002909) Human Recombinant Protein – TP302773M
Cytogenetics:	2p12
RefSeq ORF:	498
Synonyms:	ICRF; P19; PSP; PSPS; PSPS1; PTP; REG
Summary:	This gene is a type I subclass member of the Reg gene family. The Reg gene family is a multigene family grouped into four subclasses, types I, II, III and IV, based on the primary structures of the encoded proteins. This gene encodes a protein that is secreted by the exocrine pancreas. It is associated with islet cell regeneration and diabetogenesis and may be involved in pancreatic lithogenesis. Reg family members REG1B, REGL, PAP and this gene are tandemly clustered on chromosome 2p12 and may have arisen from the same ancestral gene by gene duplication. [provided by RefSeq, Jul 2008]

# **Product images:**



Coomassie blue staining of purified REG1A protein (Cat# [TP302773]). The protein was produced from HEK293T cells transfected with REG1A cDNA clone (Cat# [RC202773]) using MegaTran 2.0 (Cat# [TT210002]).

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