

OriGene Technologies, Inc.

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Product datasheet for TP309655L

ENSA (NM_207168) Human Recombinant Protein

Product data:

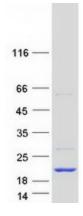
Nescription:Recombinant protein of human endosulfine alpha (ENSA), transcript variant 8, 1 mgSpecies:HumanExpression Host:HEX293TShypession CDNA Clow Brd Coloring site Green=Tags(s)Red=Coloring site Green=Tags(s)Suppose Coloring site Green=Tags(s)MSQKQEEENPAEETGEEKQDTQEKEGILPERAEEAKLKAKYPSLGQKPGSDFLMKRLQKGWGWSYPL SLELKEVLRMKSVELLDPFLEVLLLNRSRGEFEITag:CMyc/DEKFag:CMyc/DEKYou Coloring site Green Tags(s)MSQKQEENPAEETGEEKQDTQEKEGILPERAEEAKLKAKYPSLGQKPGSDFLMKRLQKGWGWSYPL SLELKEVLRMKSVELLDPFLEVLLLNRSRGEFEITag:CMyc/DEKTag:CMyc/DEKYou Coloring site Green Tags(s)MSGKQEENPAEETGEEKQDTQEKEGILPERAEEAKLKAKYPSLGQKPGSDFLMKRLQKGWGWSYPL SLELKEVLRMKSVELLDPFLEVLLLNRSRGEFEITag:CMyc/DEKTag:CMyc/DEKTag:CMyc/DEKYou Coloring site Green Tags(s)Predicted MW:1.8 kDaSuffer:CMyc/DEKYou Coloring site Green Tags(s)Predicted MW:2.05 MyrLa determined by microplate BCA methodPredicted MW:Scombinant protein dyscipation Splage Sile before use. Note that you may experience conventional chromatographysteps.Note:Scombinant protein dyscipation splages filter before use. Note that you may experience conventional chromatographysteps.Storage:Scombinant protein dyscipation splages filter before use. Note that you may experience chromatographysteps.Storage:Scombinant protein dyscipation splages filter before use. Note that you may experience chromatographysteps.Storage:Scombinant protein dyscipating tags(spla	Product Type:	Recombinant Proteins
Expression Host:HEX23TExpression DDNA ClonRC209655 protein sequence Red=Cloning site Green=Tags(s)RC209655 protein sequence Red=Cloning site Green=Tags(s)MSQKQEEENPAEETGEEKQDTQEKEGILPERAEEAKLKAKYPSLGQKPGGSDFLMKRLQKGWGIVSYPL SLELKEVLRMKSVELLDPFLEVLLLNRSRGEFEITag:NGVQCEEENPAEETGEEKQDTQEKEGILPERAEEAKLKAKYPSLGQKPGGSDFLMKRLQKGWGIVSYPL DFLEVLLDNRSRGEFEITag:CMyc/DDKPredicted MW:1.8 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:Sorie sting in cell culture applications, please filter before use. Note that you may experience sciene loss of protein during the filtration process.Storage:Stora 4.80°CRefseq:NE 9.97051Locus ID:Q29Lintrot ID:Q3758Aribity:Q13258Hintport ID:Q14	Description:	Recombinant protein of human endosulfine alpha (ENSA), transcript variant 8, 1 mg
Spression cDNA GlowRC209655 protein sequence Rcd=Cloning site Green=Tags(s)MSQKQEEENPAEETGEEKQDTQEKEGILPERAEEAKLKAKYPSLGQKPGGSDFLMKRLQKGVWGIVSYPL LSLEKEVLRMKSVEVLLDPFLEVLLNRSRGEFEITRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:CMcyCDDKPredicted MW:11.8 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomasie blue stainingBuffer:0.51 µg/µL as determined by microplate BCA methodPreparation:Sc mM Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolNote:Sc combinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Sor esting in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Note:RefSeq:Net-97051Locus ID:0.29JuiProt ID:0.43768Kefseq Size:71	Species:	Human
or AA Sequence:Red=Cloning site Green=Tags(s)MSQKQEEENPAEETGEEKQDTQEKEGILPERAEEAKLKAKYPSLGQKPGGSDFLMKRLQKGVWGIVSYPL SLELKEVLRMKSVEVLLDPFLEVLLLNRSRGEFEITag:CMyc/DLKPredicted MW:11.8 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 handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:MP 997051Locus ID:029UniProt ID:043768RefSeq Size:711	Expression Host:	HEK293T
Note:Source and source and sou	•	
SLELKEVLENKKSVEVLLDPFLEVLLLNRSRGEFEITRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPredicted MW:11.8 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingPurity:>60% as determined by SDS-PAGE and Coomassie blue stainingPreparation:Scombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Sor esting 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 997051Locus ID:043768UniProt ID:043768RefSeq Size:71	or AA Sequence:	Red=Cloning site Green=Tags(s)
TRRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPredicted MW:11.8 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:Sor esting 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.RefSeq:NP 997051Locus ID:029UniProt ID:043768RefSeq Size:71		
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Concentration:>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.RefSeq:NP 997051Locus ID:029Old3768043768RefSeq Size:71	Tag:	-
Purity:> 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 handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 997051Locus ID:2029UniProt ID:043768RefSeq Size:771	Predicted MW:	11.8 kDa
Buffer: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 handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 997051Locus ID:029UniProt ID:043768RefSeq Size:71	Concentration:	>0.05 μg/μL as determined by microplate BCA method
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handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 997051Locus ID:2029UniProt ID:043768RefSeq Size:771	Storage:	Store at -80°C.
Locus ID: 2029 UniProt ID: 043768 RefSeq Size: 771	Stability:	
UniProt ID: 043768 RefSeq Size: 771	RefSeq:	<u>NP 997051</u>
RefSeq Size: 771	Locus ID:	2029
	UniProt ID:	<u>O43768</u>
Cytogenetics: 1q21.3	RefSeq Size:	771
	Cytogenetics:	1q21.3



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	ENSA (NM_207168) Human Recombinant Protein – TP309655L
RefSeq ORF:	315
Synonyms:	ARPP-19e
Summary:	The protein encoded by this gene belongs to a highly conserved cAMP-regulated phosphoprotein (ARPP) family. This protein was identified as an endogenous ligand for the sulfonylurea receptor, ABCC8/SUR1. ABCC8 is the regulatory subunit of the ATP-sensitive potassium (KATP) channel, which is located on the plasma membrane of pancreatic beta cells and plays a key role in the control of insulin release from pancreatic beta cells. This protein is thought to be an endogenous regulator of KATP channels. In vitro studies have demonstrated that this protein modulates insulin secretion through the interaction with KATP channel, and this gene has been proposed as a candidate gene for type 2 diabetes. At least eight alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]
Protein Families	: Druggable Genome

Product images:



Coomassie blue staining of purified ENSA protein (Cat# [TP309655]). The protein was produced from HEK293T cells transfected with ENSA cDNA clone (Cat# [RC209655]) using MegaTran 2.0 (Cat# [TT210002]).

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