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Product datasheet for AR50765PU-N

Beta-hexosaminidase alpha / HEXA (89-529, His-tag) Human Protein

Product data:

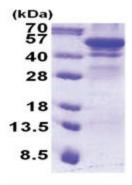
Description:Beta-hexosaminidase alpha / HEXA (89-529, His-tag) human recombinant protein, 0.5 mgSpecies:HumanExpression Host:E. coliExpression cDNA Clome or AA Sequence:MGSSH HHHHH SSGLVPRGSH MGSTEKNVL V/SVVTPGN QLPTLESVEN YTLTINDQC LILSETVWGA LRGLETFSQL V/KSAEGTF INKTEIEDFP RFPHRGLLD TSRHYLPLSS ILDLDVMAPA EFDTPGHTLS WGPGIPGLLT PCYSGSEPSG TFGPVNPSLN NTYEFMSTFF LEVSSVFPDF VLHLGDEVD FTCVKSNPEI QDFMRKKGFG EDFQLESPY IQTLLDIVSS YGKGYVWQE VVEPLAFEGT PEQKALVIGG EACMWGEVYD NTNLVFRMSTFF LEVSSVFDPF VVEPLAFEGT PEQKALVIGG EACMWGEVYD NTNLVFRMVDRI SYGPMONDRY VVEPLAFEGT PEQKALVIGG EACMWGEYVD NTNLVFRLS VIRD SYGBMONDRY VVEPLAFEGT PEQKALVIGG EACMWGEYVD NTNLVFRLS VIRD SYGBMONDRY VVEPLAFEGT PEQKALVIGG EACMWGEYVD NTNLVFRLS VIRD SYGBMONDRY VVEPLAFEGT PEQKALVIGG EACMWGEYD NTNLVPRLS SILDTLDVARG VGE Promotence DispertionTag:His-tagPredicted MW:52.9 kDaSome State: Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein State: Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolRoten Description:Store undiluted at 2.8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid reparetd freezing and thawing.Statellity:Shell life: one year from despatch.Roten Locus ID:Souffic ID:Oiffor ID:O6865_A0A0S2Z3W3Lous ID:<	Product Type:	Recombinant Proteins
Expression Host:E. coliExpression cDNA Clone or AA Sequence:MGSSHHHHHH SSGLVPRGSH MGSTLEKNVL VVSVVTPGCN QLPTLESVEN YTLTINDDQC ULLSETVWGA LRGLETFSQL VWKSAEGTFF INKTEIEDFP RFPHRGLLLD TSRHYLPLSS ILDTLDVMAY NKLNVFHWHL VDDPSFPVES FTFPELMRKG SYNPVTHINT AQDVKEVIEY ARLRGIRVLA ESPDTPGHTLS WGPGIPGLLT PCYSGSEPSG TFGPNNPSLN NTYEFMSTFF LEVSSVFPDF YLHLGGDEDV FTCWKSNPEI QDFMRKKGFG EDFCQLESSY (DTLDIVS SYKGYVWVQE VFDNKVKIQP DTIIQVWRED IPVNYMKELE LVTKAGFRAL LSAPWYLNRI SYGPDWKDFY VVEPLAFEGT PEQKALVIGG EACMWGEYVD NTNLVPRLWP RAGAVAERLW SNKLTSDLTF AYERLSHFRC ELLRRGVQAQ PLNVGFCEQE FEQTTag:His-tagPredicted MW:52.9 kDaConcentration:lot specificPurity:>85% by SDS - PAGEBuffer:>85% by SDS - PAGEBuffer:Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolState:Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolState:Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolState:Buffer System:	Description:	Beta-hexosaminidase alpha / HEXA (89-529, His-tag) human recombinant protein, 0.5 mg
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or AA Sequence:LLLSETVWGA LRGLETFSQL VWKSAEGTFF INKTEIEDFP RFPHRGLLLD TSRHYLPLSS ILDTLDVMAY NKLNVFHWHL VDDPSFPYES FTFPELMRKG SYNPVTHIYT AQDVKEVIEY ARLRGIRVLA EFDTPGHTLS WGPGIPGLLT PCYSGSEPSG TFGPVNPSLN NTYEFMSTFF LEVSSVFPDF YLHLGGDEVD FTCWKSNPEI QDFMRKKGFG EDFKQLESFY IQTLLDIVSS YGKGYVWQE VFDNKVKIQP DTIIQWWRED IPVNYMKELE LVTKAGFRAL LSAPWYLNRI SYGPDWKDFY VYEPLAFEGT PEQKALVIGG EACMWGEYVD NTNLVPRLWP RAGAVAERLW SNKLTSDLTF AYERLSHFRC ELLRRGVQAQ PLNVGFCEQE FEQTTag:HistagPredicted MW:52.9 kDaConcentration:Iot specificPurity:>85% by SDS - PAGEBuffer:Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolStorage:Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.Stability:NP 000511Locus ID:073UniProt ID:06865, A0A0S2Z3W3	Expression Host:	E. coli
Predicted MW:52.9 kDaPredicted MW:52.9 kDaConcentration:lot specificPurity:>85% by SDS - PAGEBuffer:Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Eiquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolProtein Description:Recombinant human HEXA protein, fused to His-tag at N-terminus, was expressed in E.coli.Storage:Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.Stability:Shell life: one year from despatch.RefSeq:NP 000511Locus ID:3073UniProt ID:Po6865, A0A0S2Z3W3	•	LLLSETVWGA LRGLETFSQL VWKSAEGTFF INKTEIEDFP RFPHRGLLLD TSRHYLPLSS ILDTLDVMAY NKLNVFHWHL VDDPSFPYES FTFPELMRKG SYNPVTHIYT AQDVKEVIEY ARLRGIRVLA EFDTPGHTLS WGPGIPGLLT PCYSGSEPSG TFGPVNPSLN NTYEFMSTFF LEVSSVFPDF YLHLGGDEVD FTCWKSNPEI QDFMRKKGFG EDFKQLESFY IQTLLDIVSS YGKGYVVWQE VFDNKVKIQP DTIIQVWRED IPVNYMKELE LVTKAGFRAL LSAPWYLNRI SYGPDWKDFY VVEPLAFEGT PEQKALVIGG EACMWGEYVD NTNLVPRLWP RAGAVAERLW SNKLTSDLTF
Concentration:Ict specificPurity:>85% by SDS - PAGEBuffer:Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolProtein Description:Recombinant HEXA protein, fused to His-tag at N-terminus, was expressed in E.coli.Storage:Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.Stability:Shell File: one yeen from despatch.RefSeq:NP 000511Locus ID:073UniProt ID:Po865 ADAOS2Z3W3	Tag:	His-tag
Purity:>85% by SDS - PAGEBuffer:Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCI buffer (pH 8.0) containing 0.4M UREA, 10% glycerolProtein Description:Store undiluted at 2-8° C for one week or (in aliquots) at -20° C to -80° C for longer. Avoid repeated freezing and thawing.Stability:Shel life: one year from despatch.RefSeq:NP 000511Locus ID:073UniProt ID:D6865, A0A0S2Z3W3	Predicted MW:	52.9 kDa
Buffer:Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerolProtein Description:Recombinant human HEXA protein, fused to His-tag at N-terminus, was expressed in E.coli.Storage:Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.Stability:Shelf life: one year from despatch.RefSeq:NP 000511 3073Locus ID:3073UniProt ID:Po6865, A0A0S2Z3W3	Concentration:	lot specific
State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerolPreparation:Liquid purified proteinProtein Description:Recombinant HEXA protein, fused to His-tag at N-terminus, was expressed in E.coli.Storage:Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.Stability:Shelf life: one year from despatch.RefSeq:NP 000511Locus ID:3073UniProt ID:De685, ADA05273W3	Purity:	>85% by SDS - PAGE
Protein Description:Recombinant human HEXA protein, fused to His-tag at N-terminus, was expressed in E.coli.Storage:Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.Stability:Shelf life: one year from despatch.RefSeq:NP 000511Locus ID:3073UniProt ID:P06865, A0A0S2Z3W3	Buffer:	State: Liquid purified protein
Storage:Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.Stability:Shelf life: one year from despatch.RefSeq:NP 000511Locus ID:3073UniProt ID:P06865, A0A0S2Z3W3	Preparation:	Liquid purified protein
repeated freezing and thawing.Stability:Shelf life: one year from despatch.RefSeq:NP 000511Locus ID:3073UniProt ID:P06865, A0A0S2Z3W3	Protein Description:	Recombinant human HEXA protein, fused to His-tag at N-terminus, was expressed in E.coli.
RefSeq: NP 000511 Locus ID: 3073 UniProt ID: P06865, A0A0S2Z3W3	Storage:	
Locus ID: 3073 UniProt ID: P06865, A0A0S2Z3W3	Stability:	Shelf life: one year from despatch.
UniProt ID: <u>P06865</u> , <u>A0A0S2Z3W3</u>	RefSeq:	<u>NP 000511</u>
	Locus ID:	3073
Cytogenetics: 15q23	UniProt ID:	<u>P06865</u> , <u>A0A0S2Z3W3</u>
	Cytogenetics:	15q23



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	Beta-hexosaminidase alpha / HEXA (89-529, His-tag) Human Protein – AR50765PU-N
Synonyms:	TSD
Summary:	This gene encodes a member of the glycosyl hydrolase 20 family of proteins. The encoded preproprotein is proteolytically processed to generate the alpha subunit of the lysosomal enzyme beta-hexosaminidase. This enzyme, together with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Mutations in this gene lead to an accumulation of GM2 ganglioside in neurons, the underlying cause of neurodegenerative disorders termed the GM2 gangliosidoses, including Tay-Sachs disease (GM2-gangliosidosis type I). Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. [provided by RefSeq, Jan 2016]
Protein Families	: Druggable Genome
Protein Pathway	/s: Amino sugar and nucleotide sugar metabolism, Glycosaminoglycan degradation, Glycosphingolipid biosynthesis - ganglio series, Glycosphingolipid biosynthesis - globo series, Lysosome, Metabolic pathways, Other glycan degradation

Product images:



15% SDS-PAGE (3ug)

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