

Datasheet for ABIN7546823
GJA3 Protein (AA 1-435) (His tag)



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Overview

Quantity:	1 mg
Target:	GJA3
Protein Characteristics:	AA 1-435
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GJA3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant GJA3 Protein expressed in mammalian cells.
Sequence:	<p>MGDWSFLGRL LENAQEHSTV IGKVWLTVLF IFRILVLGAA AEDVWGDEQS DFTCNTQQPG</p> <p>CENVCYDRAF PISHIRFWAL QIIFVSTPTL IYLGHVLIHV RMEEKKKERE EEEQLKRESP</p> <p>SPKEPPQDNP SSRDDRGRVR MAGALLRTYV FNIIFKTLFE VGFIAGQYFL YGFELKPLYR</p> <p>CDRWPCPNTV DCFISRPTEK TIFIIFMLAV ACASLLLNML EYHLGWKKL KQGVTSRLGP</p> <p>DASEAPLGTA DPPPLPPSSR PPAVAIGFPP YYAHTAAPLG QARAVGYPGA PPPAADFKLL</p> <p>ALTEARGKGQ SAKLYNGHHH LLMTEQNWAN QAAERQPPAL KAYPAASTPA APSPVGSSSP</p> <p>PLAHEAEAGA APLLLDGSGS SLEGSALAGT PEEEEQAVTT AAQMHQPPLP LGDPGRASKA</p> <p>SRASSGRARP EDLAI Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	GJA3
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Alternative Name:	GJA3 (GJA3 Products)
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Background:	<p>Gap junction alpha-3 protein (Connexin-46) (Cx46),FUNCTION: Structural component of lens fiber gap junctions (PubMed:30044662). Gap junctions are dodecameric channels that connect the cytoplasm of adjoining cells (By similarity). They are formed by the docking of two hexameric hemichannels, one from each cell membrane. Small molecules and ions diffuse from one cell to a neighboring cell via the central pore (PubMed:30044662).</p> <p>{ECO:0000250 UniProtKB:Q9TU17, ECO:0000269 PubMed:30044662}.</p>
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Molecular Weight:	47.4 kDa
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UniProt:	Q9Y6H8
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Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months