

Datasheet for ABIN7546927
GJB2 Protein (AA 1-226) (His tag)



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Overview

Quantity:	1 mg
Target:	GJB2
Protein Characteristics:	AA 1-226
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GJB2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat GJB2 Protein expressed in mammalien cells.
Sequence:	MDWGTLQTL GGVNKHSTSI GKIWLTVLFI FRIMILVVA KEVWGDEQAD FVCNTLQPGC KNVCYDHYFP ISHIRLWALQ LIFVSTPALL VAMHVAYRRH EKRRKFIKGE IKSEFKDIEE IKTQKVRIEG SLWWTYTSSI FFRVIFEAAF MYVFYVMYDG FSMQRLVKCN AWPCPNTVDC FVSRPTEKTV FTFVMIAVSG ICILLNVTTEL CYLLIRYCSG KSKKPV 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.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and

Product Details

transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	GJB2
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Alternative Name:	GJB2 (GJB2 Products)
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Background:	Gap junction beta-2 protein (Connexin-26) (Cx26),FUNCTION: Structural component of gap junctions (PubMed:17551008, PubMed:19340074, PubMed:21094651, PubMed:26753910, PubMed:16849369, PubMed:19384972). Gap junctions are dodecameric channels that connect the cytoplasm of adjoining cells. They are formed by the docking of two hexameric hemichannels, one from each cell membrane (PubMed:17551008, PubMed:19340074, PubMed:21094651, PubMed:26753910). Small molecules and ions diffuse from one cell to a neighboring cell via the central pore (PubMed:21094651, PubMed:16849369, PubMed:19384972). {ECO:0000269 PubMed:16849369, ECO:0000269 PubMed:17551008, ECO:0000269 PubMed:19340074, ECO:0000269 PubMed:19384972, ECO:0000269 PubMed:21094651, ECO:0000269 PubMed:26753910}.
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Molecular Weight:	26.2 kDa
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UniProt:	P29033
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Pathways:	Sensory Perception of Sound, Cell-Cell Junction Organization
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Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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
