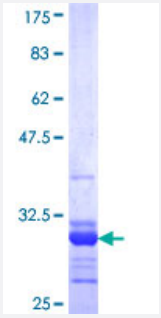
GJB6 (Human) Recombinant Protein (Q01)

Catalog # H00010804-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GJB6 partial ORF (AAH38934, 45 a.a. - 75 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GDEQEDFVCNTLQPGCKNVCYDHFFPVSHIR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	29.15
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GJB6

Entrez GeneID	10804
GeneBank Accession#	BC038934
Protein Accession#	AAH38934
Gene Name	GJB6
Gene Alias	CX30, DFNA3, ED2, EDH, HED
Gene Description	gap junction protein, beta 6, 30kDa
Omim ID	129500 601544 604418
Gene Ontology	Hyperlink
Gene Summary	Gap junctions allow the transport of ions and metabolites between the cytoplasm of adjacent cells. They are formed by two hemichannels, made up of six connexin proteins assembled in groups. E ach connexin protein has four transmembrane segments, two extracellular loops, a cytoplasmic lo op formed between the two inner transmembrane segments, and the N- and C-terminus both bein g in the cytoplasm. The specificity of the gap junction is determined by which connexin proteins co mprise the hemichannel. In the past, connexin protein names were based on their molecular weig ht, however the new nomenclature uses sequential numbers based on which form (alpha or beta) of the gap junction is present. This gene encodes one of the connexin proteins. Mutations in this g ene have been found in some forms of deafness and in some families with hidrotic ectodermal dy splasia. [provided by RefSeq
Other Designations	OTTHUMP00000018096|OTTHUMP00000176870|OTTHUMP00000176871|OTTHUMP000001 76872|connexin 30|ectodermal dysplasia 2, hidrotic (Clouston syndrome)|gap junction protein, bet a 6|gap junction protein, beta 6 (connexin 30)

Disease

- Auditory Perception
- Cholesteatoma
- Chronic Disease
- Cytomegalovirus Infections
- Deafness
- Disease Progression
- Genetic Predisposition to Disease
- Hearing Loss
- Presbycusis
- Rhinitis
- Sinusitis
- Speech Perception
- Syndrome
- Usher Syndromes
- Vestibulocochlear Nerve Diseases