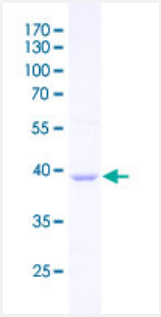
SLC26A5 (Human) Recombinant Protein (Q01)

Catalog # H00375611-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SLC26A5 partial ORF (NP_945350.1, 645 a.a. - 741 a.a.) recombinant protein with GST tag at N-terminal.
Sequence	DFTQVNFIDSVGVKTLAGIVKEYGDVGIYVYLAGCSAQVVNDLTRNRFFENPALWELLFHSIHDAVL GSQLREALAEQEASAPPSQEDLEPNATPAT
Theoretical MW (kDa)	36.3
Interspecies Antigen Sequence	Mouse (88); Rat (88)
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 — SLC26A5

Entrez GeneID	375611
GeneBank Accession#	NM_198999.2
Protein Accession#	NP_945350.1
Gene Name	SLC26A5
Gene Alias	DFNB61, MGC118886, MGC118887, MGC118888, MGC118889, PRES
Gene Description	solute carrier family 26, member 5 (prestin)
Omim ID	604943
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the SLC26A/SulP transporter family. It encodes a protein that is specifically expressed in outer hair cells (OHCs) of the cochlea and is essential in auditory processing. Intracellular anions are thought to act as extrinsic voltage sensors, which bind to this protein and trigger the conformational changes required for rapid length changes in OHCs. Mutations in this gene have been associated with non-syndromic hearing loss. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq
Other Designations	OTTHUMP00000195086|deafness, neurosensory, autosomal recessive, 61|prestin|prestin (motor protein)

Disease

- Hearing Loss

- Presbycusis