

Recombinant Human TECTA, His-tagged

Cat. No. TECTA-3398H Lot. No. (See product label)

SPECIFICATION

Product Overview	Alpha-tectorin (TECTA), partial
Species	Human
Source	E.Coli/Yeast
ProteinLength	2155
Description	The tectorial membrane is an extracellular matrix of the inner ear that contacts the stereocilia bundles of specialized sensory hair cells. Sound induces movement of these hair cells relative to the tectorial membrane, deflects the stereocilia, and leads to fluctuations in hair-cell membrane potential, transducing sound into electrical signals. Alpha-tectorin is one of the major noncollagenous components of the tectorial membrane. Mutations in the TECTA gene have been shown to be responsible for autosomal dominant nonsyndromic hearing impairment and a recessive form of sensorineural pre-lingual non-syndromic deafness.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of TECTA recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

cap. Certain products may require to ship with dry ice.

Storage Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

Storage Buffer PBS pH 7.4, 50% glycerol

Warning This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name [TECTA tectorin alpha \[Homo sapiens \]](#)

Official Symbol TECTA

Synonyms TECTA; tectorin alpha; DFNA8, DFNA12, DFNB21; alpha-tectorin; DFNA8; DFNA12; DFNB21;

Gene ID [7007](#)

mRNA Refseq [NM_005422](#)

Protein Refseq [NP_005413](#)

MIM [602574](#)

UniProt ID [O75443](#)

Chromosome Location 11q22-q24

Function extracellular matrix structural constituent;

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