

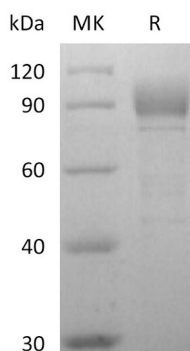
Product Name: Recombinant Human Otolin-1 (C-6His)
Catalog #: PHH2211



Summary

Name	Otolin-1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Otolin-1 is produced by our Mammalian expression system and the target gene encoding Lys24-Pro477 is expressed with a 6His tag at the C-terminus.
Accession #	A6NHN0
Host	Human Cells
Species	Human
Predicted Molecular Mass	47.7 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, 5% Trehalose, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

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Alternative Names

OTOL1; otolin 1; Otolin-1; C1qTNF15

Background

Otolin (OTOL1), also known as C1qTNF15, is an approximately 65 kDa protein found in the otoconial membrane lining the cochlea and vestibular labyrinth of the inner ear. Collagen-like protein specifically expressed in the inner ear, which provides an organic scaffold for otoconia, a calcium carbonate structure in the saccule and utricle of the ear. It associates into multimers and disulfide-linked oligomers and also associates with other otoconial proteins including and Otoconin-90 (also known as PLA2G2A, PLA2L, and phospholipase A2 homolog) and Cerebellin-1. It is extensively glycosylated and has multiple hydroxylated proline residues in the collagenous regions.

Note

For Research Use Only , Not for Diagnostic Use.