

Datasheet for ABIN7319858

Otolin 1 Protein (OTOL1) (His tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	Otolin 1 (OTOL1)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Otolin 1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Otolin-1 (C-6His)
Sequence:	Lys24-Pro477
Characteristics:	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.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Otolin 1 (OTOL1)
Alternative Name:	Otolin-1 (OTOL1 Products)
Background:	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

Target Details

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.

Synonym: OTOL1, otolin 1, Otolin-1, C1qTNF15

Molecular Weight:	47.7 kDa
UniProt:	A6NHN0

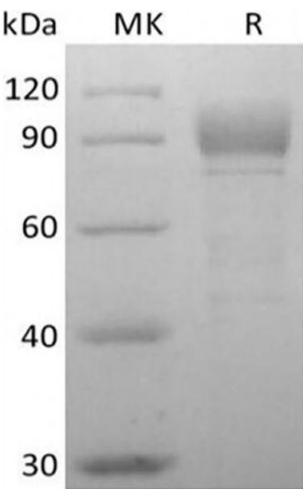
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, 5 % Trehalose, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Images



Western Blotting

Image 1.