

Recombinant Human OTOA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. OTOA-2169H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OTOA MS Standard C13 and N15-labeled recombinant protein (NP_653273) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is specifically expressed in the inner ear, and is located at the interface between the apical surface of the inner ear sensory epithelia and their overlying acellular gels. It is proposed that this protein is involved in the attachment of the inner ear acellular gels to the apical surface of the underlying nonsensory cells. Mutations in this gene are associated with autosomal recessive deafness type 22 (DFNB22). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	126.8 kDa
AA Sequence	MSQEPTTYSFLFLFLSHGVSSYTPNSRQDLHPLLQNMAEEIIDGSYLNALLDLIQF QSSHVWTDDLSHRVLAYLNSRNVAFTIPSLQAAVENHLEQRLHQPQKLLDLRKT AQQFRTAMKCLLEDKKDGLDLKDIIIDLGEIRERALQSPGVNRSFLITLERCFQMLNS LECVEILGKVLRGSSGSFLQPDITERLPRDLREDAFKNLSAVFKDLYDKTSAHSQRAL YSWMTGILQTSSNATDDASWVSAEHLWVLGRYMVHLSFEEITKISPIEIGLFISYDN ATKQLDMVYDITPELAQAFLERISSNFNMRNTSTIHRLGLLVCFYNDLELLDATVAQ

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VLLYQMIKCSHLRGFQAGVQKLKAELLDIAMENQTLNETLGSLSDAVVGLTYSQLES
 LSPEAVHGAISTLNQVSGWAKSQVIILSAKYLAHEKVLVSFYNVSQMGALLAGVSTQA
 FCSMKRKDISQVLRSAVSQYVSDLSPAQQQGILSKMVQAEDTAPGIVEIQGAFFKEV
 SLFDLRRQPGFNSTVLKDKELGRSQALFLYELLKTTTRPEELLSAGQLVKGVTCSHI
 DAMSTDFFLAHFQDFQNNFALLSPYQVNCLAWKYWEVSRLSMPPFLAALPARYLA
 SVPASQCVPFILISLGKSWLDSLVLDSHKKTSVLRKVQQCLDDSIAD EYTVDIMGNLLC
 HLPAAIIDRGISPRAWATALHGLRDCPD LNPEQKA AAVRLKLLGQYGLPQH WTAETTK
 DLGPFLVLFSGDELSSIA TKFPEILLQAASKMARTLPTKEFLWAVFQSVRNSSDKIPS
 YDPM PGCHGVVAPSSDDIFKLAEANACWALEDLRCMEEDTFIRTVELLGAVQGFSR
 PQLMTLKEKAIQVWDMPSYWREHHIVSLGRIALALNESELEQLDLSSIDTVASLSWQ
 TEWTPGQAESILQGYLDDSGYSIQDLKSFHLVGLGATLCAINITEIPLIKISEFRVVVAR
 IGTLLCSTHVLAEFKRKA EVVFGDPTEWTSSVLQELGTIAAGLTKAALRMLDKDLMPY
 FQPSAIKCLPDEIFKELSAEQIASLGPENAAVTHAQRRRLSPLQLQSLQQALDGAKT
 HSWQDAPASAGPTRTSSSRSPAGALQSWGLWLGCP LLVLMAKLLWTRTRPLEQKL
 ISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name OTOA otoancorin [Homo sapiens (human)]

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Official Symbol	OTOA
Synonyms	OTOA; otoancorin; deafness, autosomal recessive 22, DFNB22; cancer/testis antigen 108; CT108; DFNB22; FLJ32773; MGC39813; MGC157747;
Gene ID	146183
mRNA Refseq	NM_144672
Protein Refseq	NP_653273
MIM	607038
UniProt ID	Q7RTW8
SDS-PAGE	