

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	MSQEPTTYSLFLFLFLSHGVSSYTPNSRQDLHPLLQNMAEEIIDGSYLNALLDLIQF QSSHVWTDLSDHRVLAYLNSRNVAFTIPSLQAAVENHLEQRLHQPQKLLDLRKT AQQFRTAMKCLLEDKDKGLDLKDIIDLGEIRERALQSPGVNRSFLITLRCFQMLNS LECVEILGKVLRGSSGSFLQPDITERLPRDLREDAFKNLSAVFKDLYDKTSAHSQRAL YSWMTGILQTSSNATDDASWVSAEHLWVLGRYMVHLSFEEITKISPIEIGLFISYDN ATKQLDMVYDITPELAQAFLERISSNFNMRNTSTIHRLGLLVCFYNDLELLDATVAQ

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VLLYQMIKCSHLRGFQAGVQKLKAELLDIAMENQTLNETLGSLSDAVVGLTYSQLES
LSPEAVHGAISTLNQVSGWAKSQVIILSAKYLAHEKVLVSFYNVSQMGALLAGVSTQA
FCSMKRKDISQVLRSAVSQYVSDLSPAQQQGILSKMVQAEDTAPGIVEIQGAFFKEV
SLFDLRRQPGFNSTVLKDKELGRSQALFLYELLKTTTRPEELLSAGQLVKGVTCSHI
DAMSTDFFLAHFQDFQNNFALLSPYQVNCLAWKYWEVSRLSMPPFLAALPARYLA
SVPASQCVPFLLISLGSWLDLVLDSHKKTSVLRKVQQCLDDSIADYEYTVDIMGNLLC
HLPAAIIDRGISPRAWATALHGLRDCPDLNPEQKAAVRLKLLGQYGLPQHHTAETTK
DLGPFLVLFSGDELSSIA TKFPEILLQAASKMARTLPTKEFLWAVFQSVRNSSDKIPS
YDPMPGCHGVVAPSSDDIFKLAEANACWALEDLRCMEEDTFIRTVELLGAVQGFSR
PQLMTLKEKAIQVWDMPSYWREHHIVSLGRIALALNESELEQLDLSSIDTVASLSWQ
TEWTPGQAESILQGYLDDSGYSIQDLKSFHLVGLGATLCAINITEIPLIKISEFRVVVAR
IGTLLCSTHVLAEFKRKAEVVFDPTEWTSSVLQELGTIAAGLTKAALRMLDKDLMPY
FQPSAIKCLPDEIFKELSAEQIASLGPENAAAVTHAQRRLSPLQLQSLQQALDGAKT
HSWQDAPASAGPTRTSSSRSPAGALQSWGLWLGCPLLVLMAKLLWTRTRPLEQKL
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

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