

Product datasheet for TP321145

OTOA (NM_144672) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human otoancorin (OTOA), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221145 protein sequence Red=Cloning site Green=Tags(s)

MSQEPTTYSLFLFLSHGVSSYTPNSRQDLHPLLQNMAEEIIDGSYLNALLDLIQFQSSHWVTDDLSH
RVLAYLNSRNVAFTIPSLQAAVENHLEQLRHQPQKLEDLRKTDAQQFRTAMKCLEDDKDKGLDLKDIII
DLGEIRERALQSPGVNRSFLITLERCFQMLNSLECVEILGKVLRGSSGSFLQPDITERLPRDLREDAFK
NLSAVFKDLYDKTSAHSQRALYSWMTGILQTSSNATDDSASWVSAEHLWVLGRYMVHLSFEEITKISPIE
IGLFISYDNATKQLDMVYDITPELAQAFLERISSNFNMRNTSTIHRLGLLVCFYNDLELLDATVAQVLL
YQMIKCSHLRGFQAGVQKLKAEELDIAMENQTLNETLGSLSDAVGLTYSQLESLSPEAVHGAISTLNQV
SGWAKSQVIILSAKYLAHEKVSFYNVSQMGALLAGVSTQAFCSMKRKDISQVLRSAVSQYVSDLSPAQQ
QGILSKMVQAEDTAPGIVEIQGAFFKEVSLFDLRRQPGFNSTVLKDKELGRSQALFLYELLLKTRRPEE
LLSAGQLVKGVTCSHIDAMSTDFFLAHFQDFQNNFALLSPYQVNCLAWKYWEVSRLSMPPFLAALPARY
LASVPASQCVPLISLGKSWLDSLVLDSHKKTSVLRKVQQCLDDSIAD EYTVDIMGNLLCHLPAAIIDRG
ISPRAWATALHGLRDCPDLNPEQKA AVRLLKLGQYGLPQHWAETTKDLGPFLVLFSGDELSSIA TKFPE
ILLQAASKMARTLPTKEFLWAVFQSVRNSSDKIPSYDMPGCHGVVAPSSDDIFKLAEANACWALEDLRC
MEEDTFIRTVELLGAVQGFSRPQLMTLKEKAIQVWDMPSYWREHHIVSLGRIALALNESELEQLDLSSID
TVASLSWQTEWTPGQAESILQGYLDDSGYSIQDLKSFHLVGLGATLCAINITEIPLIKISEFRVVARIG
TLLCSTHVLAEFKRKA EVVFGDPTEWTSSVLQELGTIAAGLTKAALRMLDKDLMPYFQPSAIKCLPDEIF
KELSAEQIASLGPENAAVTHAQRRLSPLQLQSLQQALDGAKTHSWQDAPASAGPTRTSSSRSPAGALQ
SWGLWLGCP LLVLMAKLLW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

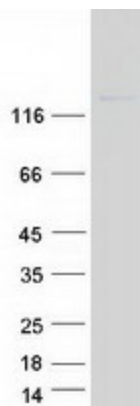
Tag:	C-Myc/DDK
Predicted MW:	126.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_653273
Locus ID:	146183
UniProt ID:	Q05BM7
RefSeq Size:	3624
Cytogenetics:	16p12.2
RefSeq ORF:	3417
Synonyms:	CT108; DFNB22
Summary:	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. [provided by RefSeq, Sep 2009]

Product images:



Coomassie blue staining of purified OTOA protein (Cat# TP321145). The protein was produced from HEK293T cells transfected with OTOA cDNA clone (Cat# [RC221145]) using MegaTran 2.0 (Cat# [TT210002]).