Recombinant Full Length Human MIP Protein

Cat. No. MIP-6267HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MIP full-length ORF (ADR82888.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1-263 aa
Description	Major intrinsic protein is a member of the water-transporting aquaporins as well as the original member of the MIP family of channel proteins. The function of the fiber cell membrane protein encoded by this gene is undetermined, yet this protein is speculated to play a role in intracellular communication. The MIP protein is expressed in the ocular lens and is required for correct lens function. This gene has been mapped among aquaporins AQP2, AQP5, and AQP6, in a potential gene cluster at 12q13. [provided by RefSeq
Form	Liquid
Molecular Mass	29 kDa
AA Sequence	MWELRSASFWRAIFAEFFATLFYVFFGLGSSLRWAPGPLHVLQVAMAFGLALATLV QSVGHISGAHVNPAVTFAFLVGSQMSLLRAFCYMAAQLLGAVAGAAVLYSVTPPAV RGNLALNTLHPAVSVGQATTVEIFLTLQFVLCIFATYDERRNGQLGSVALAVGFSLAL GHLFGMYYTGAGMNPARSFAPAILTGNFTNHWVYWVGPIIGGGLGSLLYDFLLFPRL KSISERLSVLKGAKPDVSNGQPEVTGEPVELNTQAL

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Applications	Antibody Production Functional Study Compound Screening
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MIP major intrinsic protein of lens fiber [Homo sapiens]
Official Symbol	MIP
Synonyms	MIP; major intrinsic protein of lens fiber; lens fiber major intrinsic protein; AQP0; aquaporin 0; LIM1; MP26; MIP26;
Gene ID	4284
mRNA Refseq	NM_012064
Protein Refseq	NP_036196
MIM	154050
UniProt ID	P30301

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