

Recombinant Human MREG, His-tagged

Cat. No. MREG-5086H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MREG protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	Melanoregulin, also known as MREG, is thought to play a role in membrane fusion and in regulating the biogenesis of disk membranes of photoreceptor rods. MREG is expressed in photoreceptor cells as two isoforms due to alternative splicing. MREG interacts with Peripherin-2, a photoreceptor specific tetraspanin protein that is required to maintain normal cell structure during the renewal process of membrane fusion.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	27.3 kDa (237aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGLRDWL RTVCCCCGCE CLEERALPEK EPLVSDNNPY SSFGATLV RD DEKNLWSMPH DVSHT EADDD RTLYNLVIR NQQAKDSEEW QKLNYDIHTL RQVRREVRNR WKCILEDLGF QKEADSLLSV TKLSTISDSK NTRKAREMLL KLA EETNIFP TSWELSERYL FVVDRLIALD AAEEFFKLAR RTYPKKPGVP CLADGQKELH YLPFPSP

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by BCA assay)

GENE INFORMATION

Gene Name	MREG melanoregulin [Homo sapiens]
Official Symbol	MREG
Synonyms	MREG; melanoregulin; DSU; FLJ10116; WDT2; whn-dependent transcript 2; dilute suppressor protein homolog; MGC90296;
Gene ID	55686
mRNA Refseq	NM_018000
Protein Refseq	NP_060470
MIM	609207
UniProt ID	Q8N565
Chromosome Location	2q35

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