

## 32-4233: Recombinant Human Melanoregulin

**Alternative Name :** Melanoregulin,DSU,Dilute Suppressor Protein Homolog,WDT2, Whn-Dependent Transcript 2.

### Description

Source : Escherichia Coli. MREG Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 237 amino acids (1-214 a.a) and having a molecular mass of 27.3kDa.MREG is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Melanoregulin (MREG) takes part in membrane fusion and in regulating the biogenesis of disk membranes of photoreceptor rods. MREG is expressed in photoreceptor cells as two isoforms as a result of alternative splicing. MREG interacts with Peripherin-2, a photoreceptor specific tetraspanin protein which is required to preserve normal cell structure during the renewal process of membrane fusion. Moreover, MREG plays a part in the incorporation of pigments into hair.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	"Greater than 90% as determined by SDS-PAGE."
<b>Content :</b>	MREG protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please avoid freeze thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGSMLRDWL RTVCCCGCE CLEERALPEK EPLVSDNNPY SSFGATLVRD DEKNLWSMPH DVSHTEADDD RTLYNLIVIR NQAKDSEEW QKLNIDIHTL RQVRREVRNR WKCILEDLGF QKEADSLLSV TKLSTISDSK NTRKAREMLL KLAETNIFP TSWELSERYL FVVDRLIALD AAEEFFKLAR RTYPKKPGVP CLADGQKELH YLPFPSP