Product datasheet for AR50858PU-S

Olfactory marker (1-163, His-tag) Human Protein

Product data:

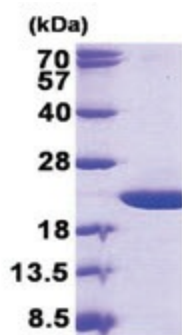|	
Product Type:	Recombinant Proteins
Description:	Olfactory marker protein (1-163, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMAEDRPQ QPQLDMPLVL DQGLTRQMRL RVESLKQRGE KRQDGEKLLQ PAESVYRLNF TQQQRLQFER WNVVLDKPGK VTITGTSQNW TPDLTNLMTR QLLDPTAIFW RKEDSDAIDW NEADALEFGE RLSDLAKIRK VMYFLVTFGE GVEPANLKAS VVFNQL
Tag:	His-tag
Predicted MW:	21.3 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human OMP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_006180
Locus ID:	4975
UniProt ID:	P47874
Cytogenetics:	11q13.5

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Summary:　　Olfactory marker protein is uniquely associated with the mature olfactory receptor neurons in many vertebrate species from fish to man. The OMP gene structure and protein sequence are highly conserved between mouse, rat and human. Results of the mouse knockout studies show that OMP-null mice are compromised in their ability to respond to odor stimuli, and that OMP represents a novel modulatory component of the odor detection/signal transduction cascade. [provided by RefSeq, Jul 2008]

Protein Families:　　Druggable Genome

Product images:

15% SDS-PAGE (3ug)