abcam

Product datasheet

Recombinant Human OR1A1 protein (Tagged) ab234972

1 Image

Description

Product name	Recombinant Human OR1A1 protein (Tagged)
Purity	> 85 % SDS-PAGE.
Expression system	Escherichia coli
Accession	Q9P1Q5
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MRENNQSSTLEFILLGVTGQQEQEDFFYILFLFIYPITLIGNLL IVLAIC SDVRLHNPMYFLLANLSLVDIFFSSVTIPKMLANHLLGSKSI SFGGCLTQ MYFMIALGNTDSYILAAMAYDRAVAISRPLHYTTIMSPRSCI WLIAGSWV IGNANALPHTLLTASLSFCGNQEVANFYCDITPLLKLSCSDI HFHVKMMY LGVGIFSVPLLCIIVSYIRVFSTVFQVPSTKGVLKAFSTCGS HLTVVSLY YGTVMGTYFRPLTNYSLKDAVITVMYTAVTPMLNPFIYSLRN RDMKAALR KLFNKRISS
Predicted molecular weight	51 kDa including tags
Amino acids	1 to 309
Tags	His tag N-Terminus
Additional sequence information	Expressed in an in vitro E.coli system. N-terminal 6xHis-SUMO-tagged.

Specifications

Our **Abpromise guarantee** covers the use of **ab234972** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

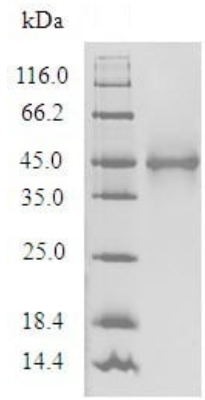
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.2 Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

General Info

Relevance	OR1A1 belongs to the G protein coupled receptor 1 family and functions as an odorant receptor. Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G protein coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7 transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms.
Cellular localization	Cell membrane; Multi pass membrane protein.

Images



SDS-PAGE - Recombinant Human OR1A1 protein (Tagged) (ab234972)

ab234972 analyzed by (Tris-Glycine gel) discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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