

Datasheet for ABIN7550150
OR5AN1 Protein (AA 1-311) (His tag)



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Overview

Quantity:	1 mg
Target:	OR5AN1
Protein Characteristics:	AA 1-311
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OR5AN1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant OR5AN1 Protein expressed in mammalian cells.
Sequence:	MTGGGNITEI TYFILLGFSD FPRIIKVLFT IFLVIYITSL AWNLSLIVLI RMDSHLHTPM YFFLSNLSFI DVCYISSTVP KMLSNLLQEQ QTITFVGCII QYFIFSTMGL SESCLMTAMA YDRYAAICNP LLYSSIMSPT LCVWVMVLGAY MTGLTASLFQ IGALLQLHFC GSNVIRHFFC DMPQLLILSC TDTFFVQVMT AILTMFFGIA SALVIMISYG YIGISIMKIT SAKGRSKAFN TCASHLTAVS LFYTSGIFVY LSSSSGGSSS FDRFASVFYT VVIPMLNPLI YSLRNKEIKD ALKRLQKRKC C Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	OR5AN1
Alternative Name:	OR5AN1 (OR5AN1 Products)
Background:	Olfactory receptor 5AN1 (Olfactory receptor OR11-244),FUNCTION: Odorant receptor involved in the detection of muscone, cyclopentadecanone, cyclopentadecanol, and omega-pentadecalactone (PubMed:24361078, PubMed:25901328). The activity of this receptor is mediated by G proteins which activate adenylyl cyclase (Probable). {ECO:0000269 PubMed:24361078, ECO:0000269 PubMed:25901328, ECO:0000305}.
Molecular Weight:	34.8 kDa
UniProt:	Q8NGI8

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months