Recombinant Taste Receptor Type 1 Member 3 (TAS1R3) Instruction Manual

SIPF983Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method)
Subcellular Location	Membrane
Predicted Molecular Mass	64.7kDa
Accurate Molecular Mass	65kDa(Analysis of differences refer to the manual)
Residues & Tags	Ala21~Leu570 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	7.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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           APLCLSQQLR MKGDYVLGGL FPLGEAEEAG
LRSRTRPSSP VCTRFSSNGL LWALAMKMAV EEINNKSDLL PGLRLGYDLF
DTCSEPVVAM KPSLMFLAKA GSRDIAAYCN YTQYQPRVLA VIGPHSSELA
MVTGKFFSFF LMPQVSYGAS MELLSARETF PSFFRTVPSD RVQLTAAAEL
LQEFGWNWVA ALGSDDEYGR QGLSIFSALA AARGICIAHE GLVPLPRADD
SRLGKVQDVL HQVNQSSVQV VLLFASVHAA HALFNYSISS RLSPKVWVAS
EAWLTSDLVM GLPGMAQMGT VLGFLQRGAQ LHEFPQYVKT HLALATDPAF
CSALGEREQG LEEDVVGQRC PQCDCITLQN VSAGLNHHQT FSVYAAVYSV
AQALHNTLQC NASGCPAQDP VKPWQLLENM YNLTFHVGGL PLRFDSSGNV
DMEYDLKLWV WQGSVPRLHD VGRFNGSLRT ERLKIRWHTS DNQKPVSRCS
RQCQEGQVRR VKGFHSCCYD CVDCEAGSYR QNPDDIACTF CGQDEWSPER
STRCFRRRSR FLAWGEPAVL
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USAGE

Reconstitute in ddH$_2$O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
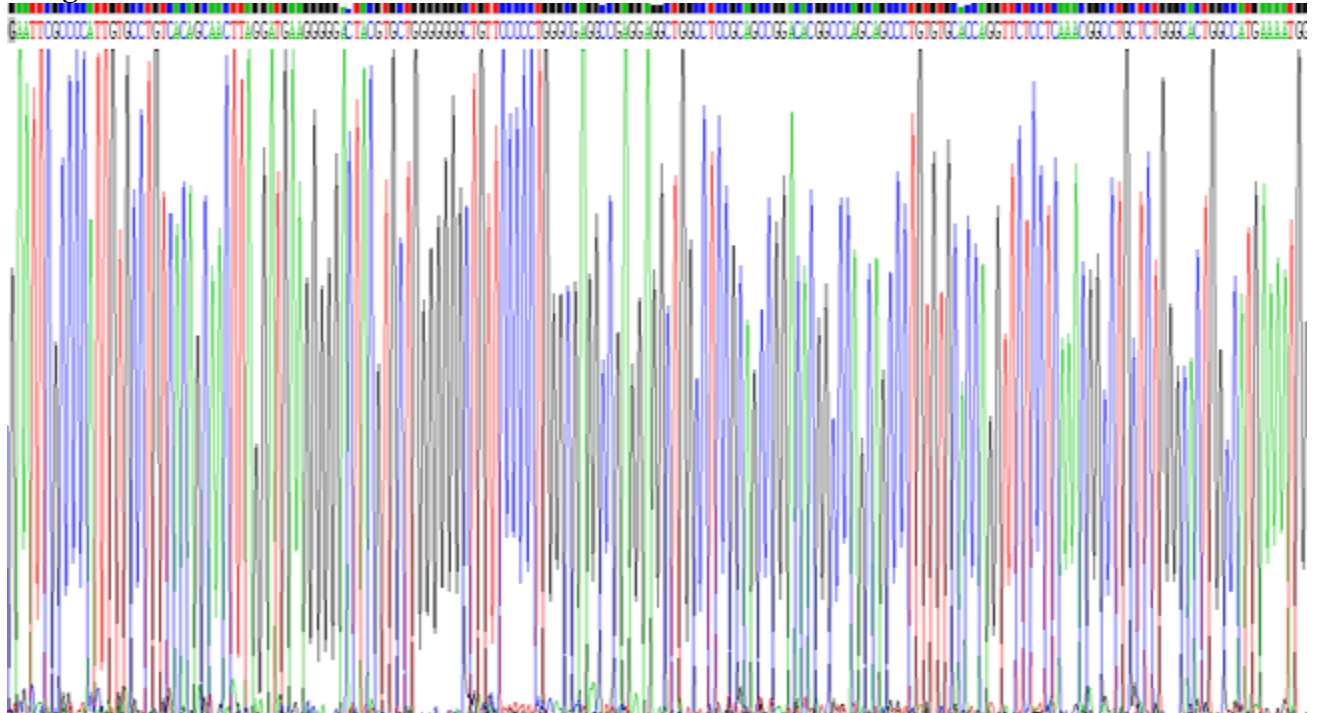
Image

Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.