FUSION pro

For identification of targeted fusion products in cancer

Fusion Pro is a kit for research specifically designed for the detection of clinically relevant gene fusions and associated transcriptomic alterations in cancer.

Fusion events originate from structural genomic rearrangements that juxtapose coding regions of two previously independent genes. These alterations are highly prevalent in sarcomas and hematologic malignancies, and are increasingly recognized in a wide range of solid tumors.

Fusion Pro targets fusions involving tyrosine kinases, chromatin remodelers, and transcription fators-key oncogenic drivers that can lead to constitutive pathway activation and tumor progression. By focusing on clinically actionable fusion transcripts, the panel enables:

- **Accurate identification of therapeutic targets,**
- **Detection of diagnostic and prognostic biomarkers,**
- **Transcript-level resolution of fusion-driven oncogenesis**
- **Minimized detection of artifacts or non-relevant fusions**

The assay is validated for somatic RNA-based analysis, including SNVs, indels, and fusion tran-scripts, from multiple sample types: whole blood, fresh or frozen tissue, and FFPE specimens.

This makes **Fusion Pro** an essential tool for precision oncology research, supporting investigations into diagnostic, prognostic, and treatment-guided decision-making.

Curious about the full gene list? Contact our support team for the complete panel details.
support@4bases.ch

4bases FUSION pro allows for **precise**, **reliable**, and **effective results**, **speeding up** the activity of clinical reporting.

From DNA to Final data in less than 2,5 days with less than 3 hours hands-on time.

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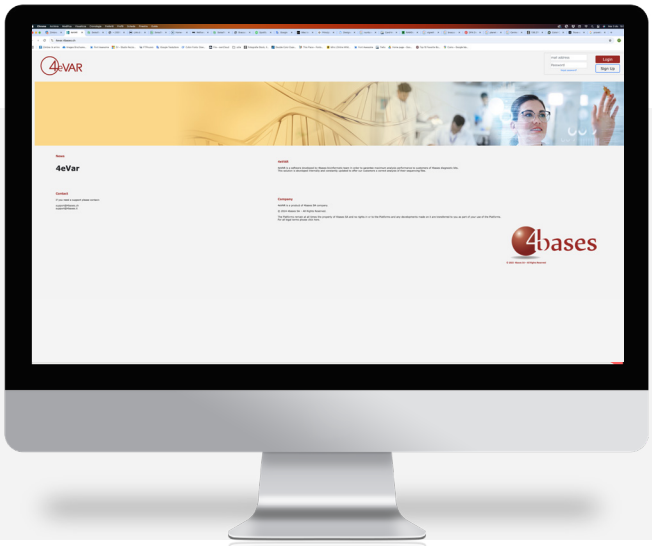
Specifications

Sample type	RNA extracted from tissues, blood or body fluids
Input	About 1ug of RNA per sample
Panel size	About 370 Kb
Variant called	SNPS, indels, Fusion transcripts
Instrument Type	Illumina, MGI, Oxford Nanopore Techologies, Ion Torrent, Element Biosciences
Data Analysis	4eVAR
Automation version	Customizable

Cod. kit

Product	Cod.	Tests number
FUSION pro	Series RC3190-16	16
FUSION pro	Series RC3190-96	96



4eVAR: Comprehensive output files for analysis and reporting

- Quality metrics
- Alignment
- Coverage
- Somatic SNVs and InDels
- Gene Fusion Table
- Gene Fusion Plots
- Fusion Transcript Sequences
- Full Table of Somatic Variants
- Filtered Somatic Variants by Fusion Genes
- Final HTML Report

Data Analysis

Product	Cod.	Tests number
4eVAR	Series A6060-RC3190-16	16
4eVAR	Series A6060-RC3190-96	96

If you wish to learn more:

Contact us at: info@4bases.ch
4bases SA - www.4bases.ch

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